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(NASA-TM-85492) CHICAGO MEETS OUTER SPACE
PROGRAM Summary Report (NASA) 112 p
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SUMMARY REPORT
ON
"CHICAGO MEETS OUTER SPACE PROGRAM"
OCTOBER 1-8, 1978
PREPARED BY HARRISON ALLEN, JR.
ASSISTANT TECHNOLOGY UTILIZATION OFFICER
NASA-LEWIS RESEARCH CENTER



Summary

NASA in conjunction with Chicago State University (CSU) sponsored an Aerospace Educational Symposium for the City of Chicago on October 1 through 8, 1978. The symposium included personal appearances by NASA astronauts, NASA exhibits, souvenir photos for each student attending the symposium, live demonstrations of how the Communication Technology Satellite links the U. S. with people around the world, and talks on job opportunities in aerospace and on the benefits of space. Monday through Friday, the program was directed mainly at (public, parochial and private) student groups, each of which spent a half day on the CSU campus to participate in the symposium activities. On Saturday and Sunday, the symposium was open to the general public and consisted of the NASA exhibits, films, a shorter version of the lectures and a special demonstration and tasting opportunity of "space food" meal systems. These quick meal systems that were designed for senior citizens and are being marketed by Oregon Freeze Dry Foods Inc. and Skylab Foods Inc. are an example of space technology "Spin-Off".

CSU Offered a teachers' workshop consisting of 12 hours of NASA lectures and demonstrations to all Chicago science teachers for credit.

Introduction

Chicago Meets Outer Space was a one-week aerospace educational program co-sponsored jointly by Chicago State University and NASA (with additional sponsorship by the City of Chicago, Department of Human Services and the American Institute of Aeronautics and Astronautics). The purpose of Chicago Meets Outer Space was to provide Chicago area (inner city) students and teachers an opportunity to learn more about aerospace science and technology and its application for improving our way of life.

Chicago Meets Outer Space was an exhibition and discussion symposium designed to:

- (1) explain the activities of NASA and tell why continued research in aeronautics and aerospace is important,
- (2) explore academic and employment opportunities,
- (3) demonstrate space technology advances and potential applications to our everyday lives, and
- (4) introduce teachers to programs and techniques designed to acquaint students with NASA and aerospace education opportunities.

Following the Chicago Meets Outer Space symposium, the National Space Institute (NSI) conducted a similar program ("Chicago Spacewatch") for the greater Chicago Area during the month of October.

The Symposium

To kick-off the symposium, a VIP briefing reception was conducted on October 1, 1978 at CSU's mezzanine dining area in the William H. Robinson Student Union (K building).

The VIP program agenda was as follows (also see appendix A):

Sunday, October 1, 1978, VIP Briefing Reception

7:00 PM - Master of Ceremonies, Mr. Harrison Allen, Jr., NASA - Lewis

Welcome - Dr. Benjamin Alexander, President
Chicago State University

Remarks - Mr. Cecil Partee, Commissioner
Department of Human Services, City of Chicago

Remarks - Mr. Albert Pritchett, Administrative Assistant to
Mayor Bilandic

Remarks - Ms. Lou Anna Peters, Administrative Assistant to
Senator Percy

7:10 Address - Mr. Andrew S. Stoffan, Deputy Associate Administrator,
NASA

7:20 Address - Mr. Thomas K. Mattingly, II, NASA astronaut and
Commander United States Navy

7:30 Remarks - Harrison Allen, Jr., NASA - Lewis

- (1) Outline of Chicago Meets Outer Space Program
- (2) Acknowledgements to persons from NASA, CSU, NSI

7:45 Celebration of NASA's 20th Anniversary Birthday - Harrison Allen, Jr.
NASA - Lewis

- (1) cake donated by Chef Louis Szathmary
- (2) Presentation of NASA Photographs

8:00 Adjournment

Note: 150 persons attended the VIP briefing reception

The Student Program

During the week days of October 2 through 6, groups of students from Chicago area schools spent a half-day (3 hours) on the Chicago State University campus and participated in a host of activities including: (1) viewing 11 NASA exhibits in addition to an FAA and an NSI exhibit (2) talking with NASA astronauts (3) viewing a live demonstration of the Communications Technology Satellite (enabling students in Chicago to speak with and view a panel of scientist at the NASA - Lewis Center in Cleveland) (4) talks on job opportunities and on the benefits of space (5) introduction to NASA Scientist and Engineer role models and talks with university student members of AIAA, who have chosen academic studies in aerospace and (6) a souvenir photograph of each student.

The syposium student program outline was as follows (see appendix B for more detail):

Monday through Friday, October 2 - 6, 1978, Program for Chicago School Students
Morning program for 6th, 7th, 8th grade students -- 3 groups

Activities taking place in Paul and Emily Douglas Library (E101). William Robinson Student Union (K building) and Physical Education Complex (G building).

<u>Group A</u>	<u>Maximum # of Students</u>
10:00 AM Spacemobile Lecture (NASA Astronaut, E101)	350
11:00 Job opportunities in Aerospace (G building)	175
11:30 Benefits from space (G building)	175
12:00 PM NASA Exhibits (Communication Technology Satellite Demonstration and Space Souvenir photographs for each student, K Building)	350
1:00 Adjournment	

<u>Group B</u>		<u>Maximum # of Students</u>
10:00 AM	NASA Exhibits (Communication Technology Satellite Demonstration and Space Souvenir Photographs for each student, K Building)	350
11:00	Spacemobile Lecture: (NASA Astronaut, E101)	350
12:00 PM	Benefits from Space (G building)	175
12:30	Job opportunities in Aerospace (G building)	175
1:00	Adjournment	

<u>Group C</u>		<u>Maximum # of Students</u>
10:00 AM	Benefits from Space (G building)	175
10:30	Job opportunities in Aerospace (G building)	175
11:00	NASA Exhibits (Communication Technology Satellite Demonstration and Space Souvenir photographs for each student K Building)	350
12:00 PM	Spacemobile Lecture (NASA Astronaut, E101)	350
1:00	Adjournment	

Afternoon program for high school students and general public -- 3 groups

<u>Group D</u>		<u>Maximum # of Students</u>
1:00 PM	Spacemobile Lecture (NASA Astronaut, E101)	350
2:00	Job opportunities in Aerospace (G building)	175
2:30	Benefits from Space (G building)	175
3:00	NASA Exhibits (Communication Technology Satellite Demonstration and space souvenir photographs for each student, K building)	350
4:00	Adjournment	

<u>Group E</u>		<u>Maximum # of Students</u>
1:00 PM	NASA Exhibits (Communication Technology Satellite Demonstration and space souvenir photographs for each student, K Building)	350
2:00	Spacemobile Lecture (NASA Astronaut, E101)	350

3:00	Benefits from Space (G building)	175
3:30	Job Opportunities in Aerospace	175
4:00	Adjournment	

<u>Group F</u>		<u>Maximum # of Students</u>
1:00 PM	Benefits from Space (G building)	175
1:30	Job opportunities in Aerospace (G building)	175
2:00	NASA Exhibits (Communication Technology Satellite Demonstration and space souvenir photographs for each student, K Building)	350
3:00	Adjournment	

Teachers' Training Program

A short (teachers' workshop) course was offered for 3 hours in the evenings on Monday, Tuesday, Wednesday and Thursday (total 12 hours) to expose teachers to space concepts and resources which can be instrumental in stimulating an interest in space technology and study among their school children. The course was conducted by specialists from NASA and college credit of 2 credit hours was granted by CSU.

(See appendix C)

Monday through Thursday, October 2 - 5, 1978, Teachers' Workshop Program (certificate and two credit hour given by Chicago State University)

5:00 PM	Lectures
6:00	Demonstrations
7:00	Discussion - Film
8:00	Adjournment

General Public Program

The symposium was open to the general public on the weekend and modified according to the following agenda:

Saturday and Sunday October 7 and 8, 1978, Program for General Public

9:00 AM	NASA Films and Exhibits
10:00	Spacemobile Lecture
11:00	Meal Systems for the Elderly (Skylab Foods, Inc., and Oregon Freeze Dry Foods, Inc.)
12:00 PM	Benefits from Space
1:00	Spacemobile Lecture
2:00	Meal Systems for the Elderly (Skylab Foods, Inc., and Oregon Freeze Dry Foods, Inc.)
3:00	Benefits from Space
4:00	NASA Films and Exhibits
5:00	Close

Exhibits and Hand-out literature

To supplement the symposium the following exhibits were displayed in CSU Student Union (K building) (see appendix D):

<u>Exhibit</u>	<u>Organization</u>
Moon Rock	NASA
Space Shuttle (diorama)	NASA
NASA Women	NASA
Apollo Suite Mock-up	NASA
Skylab (diorama)	NASA
Technology Utilization House	NASA
NASA Lewis Goals Display	NASA
Lunar Exploration (diorama)	NASA
Space Shuttle Model	NASA
Economic Benefits	NASA
NASA for the Benefits of All	NASA
Space Benefits in Chicago	NSI
Chicago - Aviation	
Cross Roads of the World	FAA

The 30,000 pieces of NASA literature that were handed-out during the symposium are listed in appendix E.

Concluding Remarks

The statistical results of the Chicago Meets Outer Space symposium were as

follows (for more detail see appendices thru F to H):

- (1) 150 persons attended the VIP briefing conference on October 1.
- (2) 7400 students from 73 schools (including elementary, junior and senior high) attended the program on October 2 through 6, together with 65 teachers and 24 principals and administrators.
- (3) articles about the program appeared in nineteen (19) Chicago area newspapers and one newspaper in Norfolk, Virginia.
- (4) Astronauts and NASA persons appeared on three (3) TV talk shows and conducted one radio station interview. Also, NASA representatives were interviewed by Ebony Junior magazine.

In summary, the symposium was a great success in qualitative and quantitative terms. The students responded with enthusiasm to the NASA exhibits and excellent presentations of the NASA professional staff. It is hoped that the high level of enthusiasm for this special program will be evident in the students' future classroom and educational activities.

Notes:

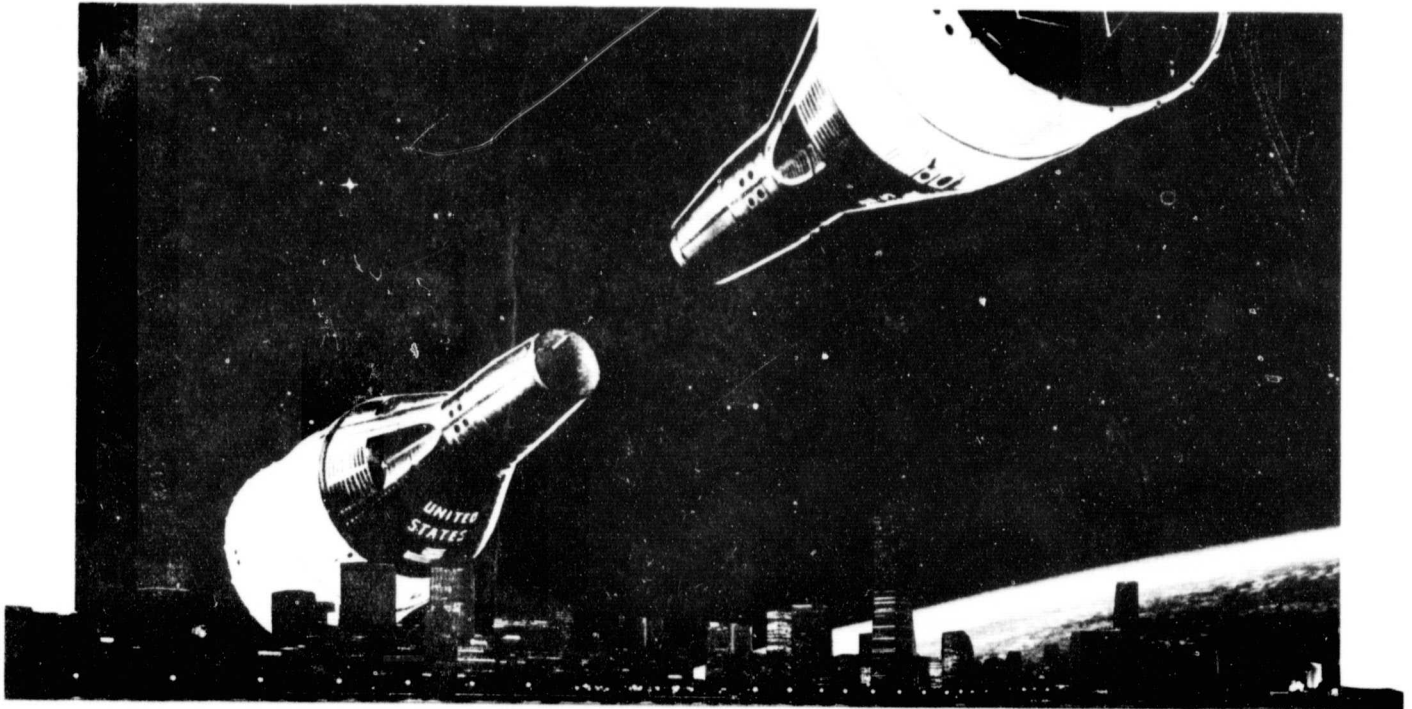
- (1). A video tape cassette is available for viewing, showing highlights of the Chicago Meets Outer Space symposium. (45 minutes)
- (2). A video tape cassette of the following subject matter is being distributed to the City of Chicago Board of Education (public) and the Archdiocese of Chicago School Office (parochial):
 - (a) Astronaut Thomas Mattingly's remarks which was presented at the VIP Briefing Reception on October 1, 1978
 - (b) Public Service Announcement (30 seconds) of Astronaut Thomas Mattingly
 - (c) Public Service Announcement (60 seconds) of Astronaut Thomas Mattingly
 - (d) Public Service Announcement (30 seconds) of Astronaut Donald Slayton
 - (e) Astronaut Guion Bluford's message to Chicago students (3 minutes)
 - (f) Astronaut Guion Bluford Interview - "What it takes to become an Astronaut" (20 minutes)

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Appendix A

"V. I. P. Briefing Reception Program"

brochure prepared by
Chicago State University



CHICAGO MEETS OUTER SPACE

Sponsored by

AMERICAN INSTITUTE OF AERONAUTICS
AND ASTRONAUTICS

CHICAGO STATE UNIVERSITY

CITY OF CHICAGO, DEPARTMENT OF HUMAN SERVICES

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Program

- 7:00 Master of Ceremonies Mr. Harrison Allen, Jr., NASA-Lewis
- Welcome Dr. Benjamin Alexander, President
Chicago State University
- Remarks Mr. Albert Pritchett
Administrative Assistant to The Mayor
- Remarks Mr. Cecil Partee, Commissioner
Department of Human Services
City of Chicago
- 7:10 Address Mr. Andrew S. Stofan,
Deputy Associate Administrator, NASA
- 7:20 Address Mr. Thomas K. Mattingly II,
NASA Astronaut and Commander United States Navy
- 7:30 Celebration of NASA's 20th Anniversary Birthday
(Cake donated by Chef Louis Szathmary)
- 8:00 Adjourn

V.I.P. Briefing Reception

October 1, 1978

Chicago State University

Mezzanine Dining Area

William H. Robinson Student Union (K Building)

Appendix B

"Final Agenda"
for Chicago Meets Outer Space Program
at Chicago State University
October 2 - 6, 1978

and

"Chicago Meets Outer Space -
Seven Days of Education in Aerospace Studies"
October 2 - 8, 1978
brochure prepared by
Chicago State University

Monday October 2, 1978

Morning Program for 6th, 7th, 8th grade students -- 3 groups

<u>Group A</u>	<u># of Students</u>
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10:00 AM	Spacemobile Lecture Lecturer: Gregory Vogt	350
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Astronaut: Thomas Mattingly

11:00 & 11:30	Job Opportunities in Aerospace Speaker: Lonnie Reid	175
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11:00 & 11:30	Benefits from Space Speaker: Annie Easley	175
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12:00 PM	NASA Exhibits Speakers for Exhibits 1. Carl Grant 2. Jerry Kennard	350
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Speakers for CTS (12:00 - 1:00)	1. Harrison Allen, Jr. 2. Annie Easley 3. Lonnie Reid
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Photographers	1. Shirley Johnson 2. Peter Chen
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1:00 Adjourn

<u>Group B</u>	<u># of Students</u>
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10:00 AM	NASA Exhibits Speakers for Exhibits 1. Benjamin Smith 2. Tommie Walton	350
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Speakers for CTS (9:30 - 10:30)	1. Harrison Allen, Jr. 2. Annie Easley 3. Lonnie Reid
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Photographers	1. Shirley Johnson 2. Peter Chen
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11:00	Spacemobile Lecture Lecturer: John Hartsfield	350
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Astronaut: Thomas Mattingly

Monday Morning (cont'd)

12:00 PM	Benefits from Space	175
&	Speaker: Tommie Walton	
12:30		

12:00	Job Opportunities in Aerospace	175
&	Speaker: Benjamin Smith	
12:30		

1:00	Adjourn	
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Group C

of Students

10:00 AM	Benefits from Space	175
&	Speaker: Jerry Kennard	
10:30		

10:00	Job Opportunities in Aerospace	175
&	Speaker: Carl Grant	
10:30		

11:00	NASA Exhibits	350
	Speakers for Exhibits	
	1. Tommie Walton	
	2. Benjamin Smith	
	3. Jerry Kennard	
	4. Carl Grant	
	5. <u>Astronaut</u> : Mattingly	
	Photographers	
	1. Shirley Johnson	
	2. Peter Chen	

12:00 PM	Spacemobile Lecture	350
	Lecturer: Gregory Vogt	
	Astronaut: Thomas Mattingly	

1:00	Adjourn	
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Monday October 2, 1978

Afternoon program for high school students and general public -- 3 groups

<u>Group D</u>		<u># of Students</u>
1:00 PM	Spacemobile Lecture Lecturer: John Hartsfield	350
	Astronaut:	
2:00 & 2:30	Job Opportunities in Aerospace Speaker: Lonnie Reid	175
2:00 & 2:30	Benefits from Space Speaker: Annie Easley	175
3:00	NASA Exhibits Speakers for Exhibits 1. Carl Grant 2. Jerry Kennard 3. Lonnie Reid 4. Annie Easley 5. <u>Astronaut</u> : Mattingly	350
	Photographers 1. Shirley Johnson 2. Peter Chen	
4:00	Adjourn	
<u>Group E</u>		<u># of Students</u>
1:00 PM	NASA Exhibits Speakers for Exhibits 1. Annie Easley 2. Lonnie Reid 3. Tommie Walton 4. Benjamin Smith	350
	Photographers 1. Shirley Johnson 2. Peter Chen	
2:00	Spacemobile Lecture Lecturer: Gregory Vogt	350
3:00 & 3:30	Benefits from Space Speaker: Tommie Walton	175

Monday Afternoon (cont'd)

3:00	Job Opportunities in Aerospace	175
&	Speaker: Benjamin Smith	
3:30		

4:00	Adjourn	
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Group F

of Students

1:00 PM	Benefits from Space	175
&	Speaker: Jerry Kennard	
1:30		

1:00	Job Opportunities in Aerospace	175
&	Speaker: Carl Grant	
1:30		

2:00	NASA Exhibits	350
	Speakers for Exhibits	
	1. Carl Grant	
	2. Jerry Kennard	
	3. Benjamin Smith	
	4. Tommie Walton	
	5. <u>Astronaut: Mattingly</u>	

	Photographers	1. Shirley Johnson
		2. Peter Chen

3:00	Adjourn	
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Tuesday October 3, 1978

Morning Program for 6th, 7th, 8th grade students -- 3 groups

<u>Group A</u>		<u># of Students</u>
10:00 AM	Spacemobile Lecture Lecturer: Gregory Vogt Astronaut:	350
11:00 & 11:30	Job Opportunities in Aerospace Speaker: Lonnie Reid	175
11:00 & 11:30	Benefits from Space Speaker: Annie Easley	175
12:00 PM	NASA Exhibits Speakers for Exhibits 1. Carl Grant 2. Jerry Kennard 3. Annie Easley 4. Lonnie Reid Photographers 1. Shirley Johnson 2. Peter Chen	350
1:00	Adjourn	
<u>Group B</u>		<u># of Students</u>
10:00 AM	NASA Exhibits Speakers for Exhibits 1. Benjamin Smith 2. Tommie Walton 3. Annie Easley 4. Lonnie Reid Photographers 1. Shirley Johnson 2. Peter Chen	350
11:00	Spacemobile Lecuture Lecturer: John Hartsfield Astronaut:	350

Tuesday Morning (cont'd)

12:00 PM	Benefits from Space	175
&	Speaker: Tommie Walton	
12:30		

12:00	Job Opportunities in Aerospace	175
&	Speaker: Benjamin Smith	
12:30		

1:00	Adjourn	
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Group C

of Students

10:00 AM	Benefits from Space	175
&	Speaker: Jerry Kennard	
10:30		

10:00	Job Opportunities in Aerospace	175
&	Speaker: Carl Grant	
10:30		

11:00	NASA Exhibits	350
	Speakers for Exhibits	
	1. Tommie Walton	
	2. Benjamin Smith	
	3. Jerry Kennard	
	4. Carl Grant	
	5. <u>Astronaut:</u>	

	Photographers	
	1. Shirley Johnson	
	2. Peter Chen	

12:00 PM	Spacemobile Lecture	350
	Lecturer: Gregory Vogt	
	Astronaut:	

1:00	Adjourn	
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Tuesday October 3, 1978

Afternoon program for high school students and general public -- 3 groups

<u>Group D</u>		<u># of Students</u>
1:00 PM	Spacemobile Lecture Lecturer: John Hartsfield	350
	Astronaut:	
2:00 & 2:30	Job Opportunities in Aerospace Speaker: Lonnie Reid	175
2:00 & 2:30	Benefits from Space Speaker: Annie Easley	175
3:00	NASA Exhibits Speakers for Exhibits 1. Carl Grant 2. Jerry Kennard 3. Lonnie Reid 4. Annie Easley 5. <u>Astronaut:</u>	350
	Photographers 1. Shirley Johnson 2. Peter Chen	
4:00	Adjourn	
<u>Group E</u>		<u># of Students</u>
1:00 PM	NASA Exhibits Speakers for Exhibits 1. Annie Easley 2. Lonnie Reid 3. Tommie Walton 4. Benjamin Smith	350
	Photographers 1. Shirley Johnson 2. Peter Chen	
2:00	Spacemobile Lecture Lecturer: Gregory Vogt	350
3:00 & 3:30	Benefits from Space Speaker: Tommie Walton	175

Tuesday Afternoon (cont'd)

3:00	Job Opportunities in Aerospace	175
&	Speaker: Benjamin Smith	
3:30		

4:00	Adjourn
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Group F

of Students

1:00 PM	Benefits from Space	175
&	Speaker: Jerry Kennard	
1:30		

1:00	Job Opportunities in Aerospace	175
&	Speaker: Carl Grant	
1:30		

2:00	NASA Exhibits	350
	Speakers for Exhibits	
	1. Carl Grant	
	2. Jerry Kennard	
	3. Benjamin Smith	
	4. Tommie Walton	
	5. <u>Astronaut:</u>	

	Photographers	1. Shirley Johnson
		2. Peter Chen

3:00	Adjourn
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Wednesday October 4, 1978

Morning Program for 6th, 7th, 8th grade students -- 3 groups

<u>Group A</u>		<u># of Students</u>
10:00 AM	Spacemobile Lecture Lecturer: John Hartsfield Astronaut: Donald Slayton	350
11:00 & 11:30	Job Opportunities in Aerospace Speaker: Dora Puleo	175
11:00 & 11:30	Benefits from Space Speaker: Jerry Kennard	175
12:00 PM	NASA Exhibits Speakers for Exhibits 1. Dora Puleo 2. Jerry Kennard	350
	Photographers 1. Shirley Johnson 2. Leon Perry	
1:00	Adjourn	

<u>Group B</u>		<u># of Students</u>
10:00 AM	NASA Exhibits Speakers for Exhibits 1. Benjamin Smith 2. Tommie Walton	350
	Speakers for CTS 1. Harrison Allen, Jr. (10:15 - 11:15) 2. Annie Easley (11:15 - 12:15) 3. Lonnie Reid	
	Photographers 1. Shirley Johnson 2. Leon Perry	
11:00	Spacemobile Lecture Lecturer: Gregory Vogt Astronaut: Donald Slayton	350

12:00 PM	Benefits from Space	175
&	Speaker: Tommie Walton	
12:30		

12:00	Job opportunities in Aerospace	175
&	Speaker: Benjamin Smith	
12:30		

<u>Group C</u>	<u># of Students</u>
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10:00 AM	Benefits from Space	175
&	Speaker: Jerry Kennard	
10:30		

10:00	Job opportunities in Aerospace	175
&	Speaker: Dora Puleo	
10:30		

11:00	NASA Exhibits		350
	Speakers for Exhibits	1. Tommie Walton	
		2. Benjamin Smith	
	Speakers for CTS	1. Harrison Allen, Jr.	
	(11:15 - 12:15)	2. Annie Easley	
		3. Lonnie Reid	
	Photographers	1. Shirley Johnson	
		2. Leon Perry	

12:00 PM Spacemobile Lecture 350
Lecturer: John Hartsfield

20

Wednesday October 4, 1978

Afternoon program for high school students and general public -- 3 groups

<u>Group D</u>		<u># of Students</u>
1:00 PM	Spacemobile Lecture Lecturer: Gregory Vogt	350
2:00 & 2:30	Job Opportunities in Aerospace Speaker: Dora Puleo	175
2:00 & 2:30	Benefits from Space Speaker: Jerry Kennard	175
3:00	NASA Exhibits Speakers for Exhibits 1. Dora Puleo 2. Jerry Kennard Photographers 1. Shirley Johnson 2. Leon Perry	350
4:00	Adjourn	
<u>Group E</u>		<u># of Students</u>
1:00 PM	NASA Exhibits Speakers for Exhibits 1. Tommie Walton 2. Benjamin Smith Photographers 1. Shirley Johnson 2. Leon Perry	350
2:00	Spacemobile Lecture Lecturer: John Hartsfield	350
3:00 & 3:30	Benefits from Space Speaker: Annie Easley	175
3:00 & 3:30	Job Opportunities in Aerospace Speaker: Lonnie Reid	175
4:00	Adjourn	

<u>Group F</u>		<u># of Students</u>
1:00 PM	Benefits from Space	175
&	Speaker: Jerry Kennard	
1:30		
1:00	Job Opportunities in Aerospace	175
&	Speaker: Dora Puleo	
1:30		
2:00	NASA Exhibits	350
	Speakers for Exhibits	
	1. Benjamin Smith	
	2. Tommie Walton	
	3. <u>Astronaut</u> : Slayton	
	Speakers for CTS	
	(1:45 - 2:45)	
	1. Harrison Allen, Jr.	
	2. Annie Easley	
	3. Lonnie Reid	
	Photographers	
	1. Shirley Johnson	
	2. Leon Perry	
3:00	Adjourn	

Thursday October 5, 1978

Morning Program for 6th, 7th, 8th grade students -- 3 groups

<u>Group A</u>		<u># of Students</u>
10:00 AM	Spacemobile Lecture Lecturer: John Hartsfield Astronaut:	350
11:00 & 11:30	Job Opportunities in Aerospace Speaker: Lonnie Reid	175
11:00 & 11:30	Benefits from Space Speaker: Annie Easley	175
12:00 PM	NASA Exhibits Speakers for Exhibits 1. Dora Puleo 2. Jerry Kennard 3. Annie Easley 4. Lonnie Reid Photographers 1. Shirley Johnson 2. Leon Perry	350
1:00	Adjourn	

<u>Group B</u>		<u># of Students</u>
10:00 AM	NASA Exhibits Speakers for Exhibits 1. Benjamin Smith 2. Tommie Walton 3. Annie Easley 4. Lonnie Reid Photographers 1. Shirley Johnson 2. Leon Perry	350
11:00	Spacemobile Lecuture Lecturer: Gregory Vogt Astronaut:	350

Thursday Morning (cont'd)

12:00 PM Benefits from Space 175
& Speaker: Tommie Walton
12:30

12:00 Job opportunities in Aerospace 175
& Speaker: Benjamin Smith
12:30

1:00 Adjourn

Group C

of Students

10:00 AM Benefits from Space 175
& Speaker: Jerry Kennard
10:30

10:00 Job opportunities in Aerospace 175
& Speaker: Dora Puleo
10:30

11:00 NASA Exhibits 350
Speakers for Exhibits 1. Tommie Walton
2. Benjamin Smith
3. Jerry Kennard
4. Dora Puleo
5. Astronaut:

Photographers 1. Shirley Johnson
2. Leon Perry

12:00 PM Spacemobile Lecture 350
Lecturer: John Hartsfield

Astronaut:

1:00 Adjourn

Afternoon program for high school students and general public -- 3 groups

of Students

Astronaut:

Job Opportunities in Aerospace
Speaker: Lonnie Reid

Benefits from Space
Speaker: Annie Easley

NASA Exhibits

Speakers for Exhibits

1. Dora Puleo
2. Jerry Kennard
3. Lonnie Reid
4. Annie Easley
5. Astronaut:

Photographers

1. Shirley Johnson
2. Leon Perry
3. Roscoe Monroe

4:00 Adjourn

of Students

NASA Exhibits
Speakers for Exhibits 1. Annie Easley
2. Lonnie Reid
3. Tommie Walton
4. Benjamin Smith

Photographers 1. Shirley Johnson
 2. Leon Perry
 3. Roscoe Monroe

Spacemobile Lecture
Lecturer: John Hartsfield

Benefits from Space
Speaker: Tommie Walton

Thursday Afternoon (cont'd)

3:00	Job Opportunities in Aerospace	175
&	Speaker: Benjamin Smith	
3:30		

4:00	Adjourn	
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<u>Group F</u>	<u># of Students</u>
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1:00 PM	Benefits from Space	175
&	Speaker: Jerry Kennard	
1:30		

1:00	Job Opportunities in Aerospace	175
&	Speaker: Dora Puleo	
1:30		

2:00	NASA Exhibits	350
	Speakers for Exhibits	
	1. Dora Puleo	
	2. Jerry Kennard	
	3. Benjamin Smith	
	4. Tommie Walton	
	5. <u>Astronaut:</u>	

	Photographers	1. Shirley Johnson
		2. Leon Perry
		3. Roscoe Monroe

3:00	Adjourn	
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Friday October 6, 1978

Morning Program for 6th, 7th, 8th grade students -- 3 groups

<u>Group A</u>		<u># of Students</u>
10:00 AM	Spacemobile Lecture Lecturer: Gregory Vogt Astronaut:	350
11:00 & 11:30	Job Opportunities in Aerospace Speaker: Benjamin Smith	175
11:00 & 11:30	Benefits from Space Speaker: Tommie Walton	175
12:00 PM	NASA Exhibits Speakers for Exhibits 1. Dora Puleo 2. Jerry Kennard 3. Benjamin Smith 4. Tommie Walton Photographers 1. Shirley Johnson 2. Leon Perry 3. Roscoe Monroe	350
1:00	Adjourn	
<u>Group B</u>		<u># of Students</u>
10:00 AM	NASA Exhibits Speakers for Exhibits 1. Benjamin Smith 2. Tommie Walton Speakers for CTS 1. Harrison Allen, Jr. (9:30 - 10:30) 2. Annie Easley (10:30 - 11:30) 3. Lonnie Reid Photographers 1. Shirley Johnson 2. Leon Perry 3. Roscoe Monroe	350
11:00	Spacemobile Lecture Lecturer: John Hartsfield Astronaut:	350

Friday Morning (cont'd)

12:00 PM	Benefits from Space	175
&	Speaker: Annie Easley	
12:30		

12:00	Job opportunities in Aerospace	175
&	Speaker: Lonnie Reid	
12:30		

1:00 Adjourn

<u>Group C</u>	<u># of Students</u>
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10:00 AM	Benefits from Space	175
&	Speaker: Jerry Kennard	
10:30		

10:00	Job opportunities in Aerospace	175
&	Speaker: Dora Puleo	
10:30		

11:00	NASA Exhibits	350
	Speakers for Exhibits 1. Jerry Kennard	
	2. Dora Puleo	

	Speakers for CTS	1. Harrison Allen, Jr.
(10:30 - 11:30)		2. Annie Easley
		3. Lonnie Reid

	Photographers	1. Shirley Johnson
		2. Leon Perry
		3. Roscoe Monroe

12:00 PM	Spacemobile Lecture	350
	Lecturer: Gregory Vogt	

Astronaut:

1:00 Adjourn

Friday October 6, 1978

Afternoon program for high school students and general public -- 3 groups

<u>Group D</u>	<u># of Students</u>
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1:00 PM	Spacemobile Lecture	350
	Lecturer: John Hartsfield	

Astronaut:

Friday Afternoon (cont'd)

2:00	Job Opportunities in Aerospace	175
&	Speaker: Benjamin Smith	
2:30		
2:00	Benefits from Space	175
&	Speaker: Tommie Walton	
2:30		
3:00	NASA Exhibits	350
	Speaker for Exhibits	
	1. Dora Puleo	
	2. Jerry Kennard	
	3. Benjamin Smith	
	4. Tommie Walton	
	Photographers	
	1. Shirley Johnson	
	2. Leon Perry	
	3. Roscoe Monroe	
4:00	Adjourn	

Group E# of Students

1:00 PM	NASA Exhibits	350
	Speakers for Exhibits	
	1. Tommie Walton	
	2. Benjamin Smith	
	Speakers for CTS	
	(1:30-2:15)	
	1. Harrison Allen, Jr.	
	2. Annie Easley	
	3. Lonnie Reid	
	Photographers	
	1. Shirley Johnson	
	2. Leon Perry	
	3. Roscoe Monroe	
2:00	Spacemobile Lecture	350
	Lecturer: Gregory Vogt	
3:00	Benefits from Space	175
&	Speaker: Annie Easley	
3:30		
3:00	Job Opportunities in Aerospace	175
&	Speaker: Lonnie Reid	
3:30		
4:00	Adjourn	

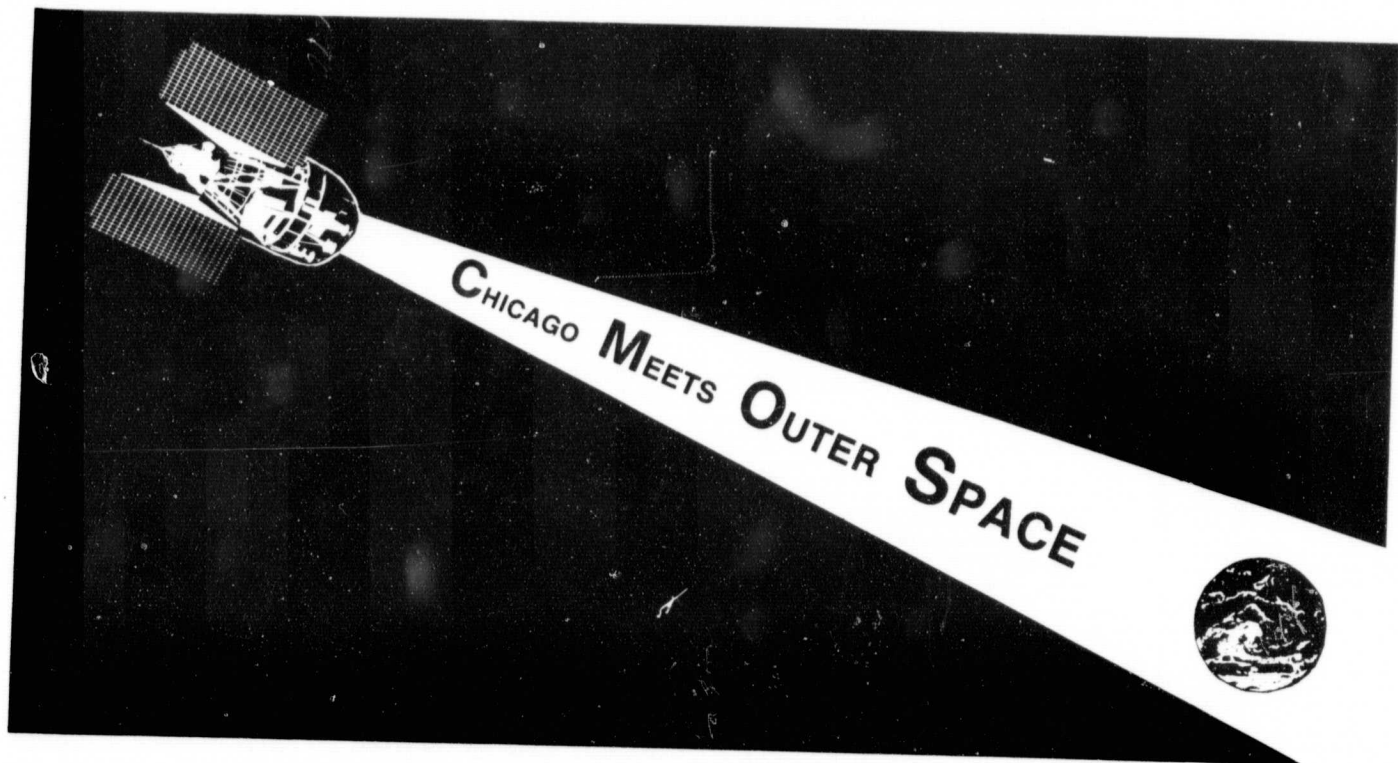
Group F# of Students

1:00 PM	Benefits from Space	175
&	Speaker: Jerry Kennard	
1:30		
1:00	Job Opportunities in Aerospace	175
&	Speaker: Dora Puleo	
1:30		

Friday Afternoon (cont'd)

2:00	NASA Exhibits		350
	Speakers for Exhibits	1. Dora Puleo 2. Jerry Kennard	
	Photographers	1. Shirley Johnson 2. Leon Perry 3. Roscoe Monroe	
3:00	Adjourn		

**ORIGINAL PAGE 19
OF POOR QUALITY**



**SEVEN DAYS OF
EDUCATION IN AEROSPACE STUDIES
OCTOBER 2 - 8, 1978
CHICAGO STATE UNIVERSITY**
Ninety-fifth Street at King Drive
Chicago, Illinois 60628

CHICAGO MEETS OUTER SPACE

Chicago State University

Ninety-Fifth Street at King Drive

Chicago, Illinois 60628

October 2 - 8, 1978

CHICAGO MEETS OUTER SPACE is a one-week aerospace education project, sponsored jointly by Chicago State University and the National Aeronautics and Space Administration (NASA). The purpose of **CHICAGO MEETS OUTER SPACE** is to provide Chicago area students and teachers an opportunity to learn more about scientific and aerospace technology and its application for improving our way of life.

- CHICAGO MEETS OUTER SPACE** is an exhibition and discussion series designed to
- explain the activities of NASA and tell why continued research in aeronautics and aerospace is important;
 - explore academic and employment opportunities;
 - demonstrate space technology advances and potential applications to our everyday lives;
 - and, introduce teachers to programs and techniques designed to acquaint students with NASA and aerospace education opportunities.

THE PROGRAM

Groups of students from Chicago area schools will spend a half-day on the Chicago State University campus. The students will be free to participate in a host of activities including:

1. viewing NASA exhibits: Exploring Space — Improving Life on Earth
 - Technology Utilization House (slide-tape show)
 - The Moon Rock
 - Skylab
 - NASA - Women
 - NASA - Lewis Research Center
 - The Space Shuttle
 - NASA and Your Health
 - Man on the Moon (Apollo Suit Mock-Up)
2. talking with minority and women astronauts;
3. viewing a live demonstration of how the Communication Technology Satellite links the U.S. with people around the world;
4. talks on job opportunities and the benefits of space;
5. introduction to potential role models and talks with university student members of the American Institute of Aeronautics and Astronautics, who have chosen academic studies in aeronautics;
6. and, a souvenir photograph for each student.

ELEMENTARY SCHOOLS

The morning hours, from 10 a.m. until 1 p.m., October 2-6, are reserved for groups of elementary school students. Reservations are required for groups larger than 10 pupils.

HIGH SCHOOLS

The afternoon hours, from 1 p.m. until 4 p.m., October 2-6, are reserved for groups of high school students. Reservations are required for groups larger than 10 pupils.

GENERAL PUBLIC

The general public is invited to share the hours reserved for high school students and to attend the exhibition from 9 a.m. until 5 p.m. on Saturday, October 7 and Sunday, October 8.

For additional information, please write or call:

Valencia Coar
Director of University Relations
Room F 129
CHICAGO STATE UNIVERSITY
95th Street at King Drive
Chicago, Illinois 60628
312 / 995-2016

TEACHER TRAINING

A short-course will be offered in the evenings to expose teachers to space concepts and resources which can be instrumental in stimulating an interest in space technology and study among school children. College credit will be granted for the course by Chicago State University. The course will be conducted by specialists from NASA.

Appendix C

Teachers' Workshop Training Program

CHICAGO MEETS OUTER SPACE WORKSHOP SERIES

Chicago State University
Special Topics in Education (C&I 398)
October 2-5 1978

MONDAY

Lecture: Principles of Aeronautics & Flight
Film: My Very Educated Mother or Aeronautical
Oddities.
Activities: Hot Air Balloon-Paper Airplanes-Decision
Games-Reaction Time-Tinkertoys
Instructor: John Hatfield

TUESDAY

Lecture: Rocketry
Activities: Paper Rocket-Rocket Propulsion-Tracking
Instructor: John Hartsfield

WEDNESDAY

Lecture: Planetary Exploration (includes Lunar
sample briefing)
Film: Mars-Reading the Moon's Secrets
Activities: Astronomy-Canals on Mars-Space settlements
Lunar shuttle simulation
Instructor: Gregory Vogt

THURSDAY

Lecture: Remote sensing (landsat)
Activities: Remote sensing act. guide-Landsat mosaic
Lake Michigan Shore
Instructor: Gregory Vogt

CHICAGO MEETS OUTER SPACE
SEVEN DAYS OF
EDUCATION IN AEROSPACE STUDIES
OCTOBER 2 - 8, 1978

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CHICAGO STATE UNIVERSITY

is offering an educational bonus for teachers during the week-long Chicago Meets Outer Space Exhibit, Oct. 2 through 8.

Enrollees in a series of workshops taught by NASA Aerospace Education Services Project staff members will earn one hour of college credit.

The series of four workshops --- CSU Special Topics in Education (Curriculum & Instruction 398) --- will be held Monday through Thursday, from 5 until 8 p.m. The registration fee is \$32.

Workshop registration can be made by calling CSU University Relations 995-2016, or by completing and mailing the attached form. Class space is limited, early registration is recommended.

INSTRUCTORS

John W. Hartsfield Aerospace Education Specialist received his undergraduate and graduate degrees at State College of Arkansas. A former biology teacher and guidance counselor, Hartsfield was Dean of Students at Lincoln College, Lincoln, Ill., prior to his joining the NASA Lewis Research Center in Cleveland in 1970.

Gregory L. Vogt Aerospace Education Specialist received his undergraduate and graduate degrees from the University of Wisconsin, Milwaukee. A former life science and earth science teacher with the Milwaukee Public Schools, he did extensive work on the Milwaukee River protection and restoration projects prior to joining the NASA Lewis Research Center in Cleveland in 1975.

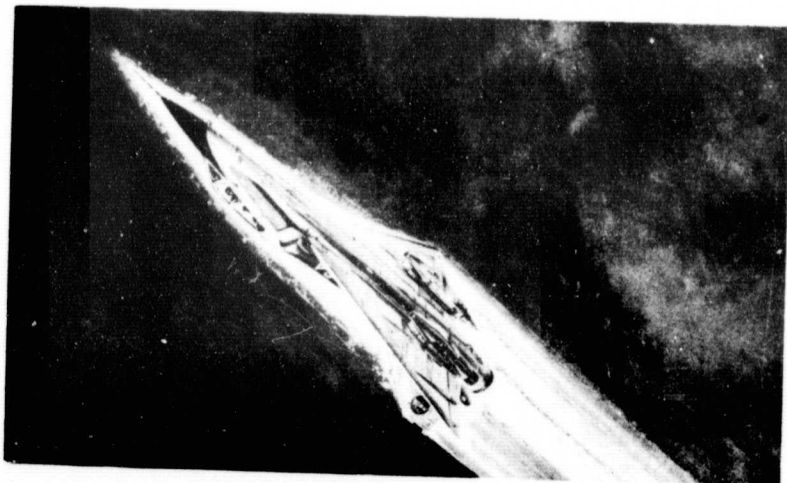
Enclosed is a check for \$32 payable to Chicago State University. This is the registration fee for the Series of Four Chicago Meets Outer Space Workshops CSU Special Topics in Education C&I 398.

NAME _____
SCHOOL & GRADE _____
HOME ADDRESS _____ PHONE # _____
CITY _____ STATE _____ ZIP CODE _____

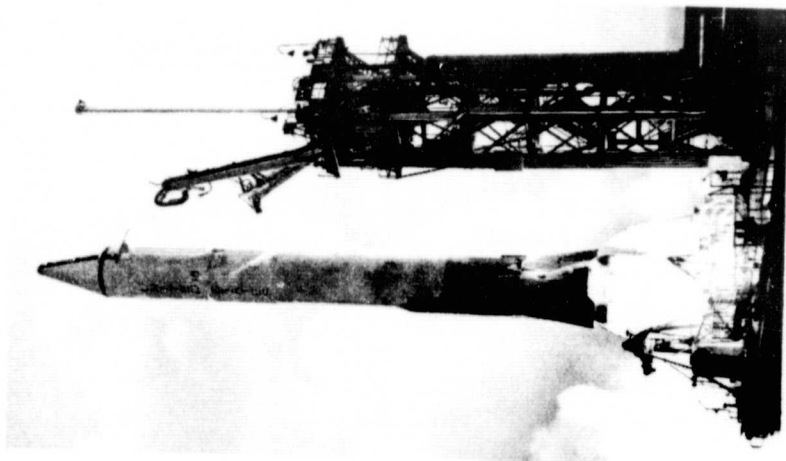
List of Participants in Teachers Workshop at Chicago State University

Prepared by Harrison Allen, Jr.

1. Jerry Bowden
14416 S. Wentworth
Riverdale, IL 60627
2. John Bozovsky
395 Pine Hill Road
Frankfurt, IL 60423
3. Sheila Frazier
8949 Blackstone
Chicago, IL 60619
4. Matthew Lamb
12432 S. Harold
Palos Hieghts, IL 60643
5. Ann Brandon
2208 E. 70th Place
Chicago, IL 60649
6. Rudolph Evans
8901 S. Dante Ave.
Chicago, IL 60619
7. Carrie Lenore
9404 S. Parnell
Chicago, IL 60620
8. Glenn Schmitz
17831 Maple
Country Club Hills, IL 60477
9. Daniel Vandercar
6441 Forest View Drive
Oak Forest, IL 60452



TEACHERS' AEROSPACE EDUCATION WORKSHOP



This is to certify that

has completed an Aerospace Workshop
conducted by CHICAGO STATE UNIVERSITY
in conjunction with the Lewis Research Center, Cleveland, Ohio

Date: October 5, 1978

Oliver L. Washington Harrison Allen
CSU NASA

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Appendix D

Photographs of Exhibits

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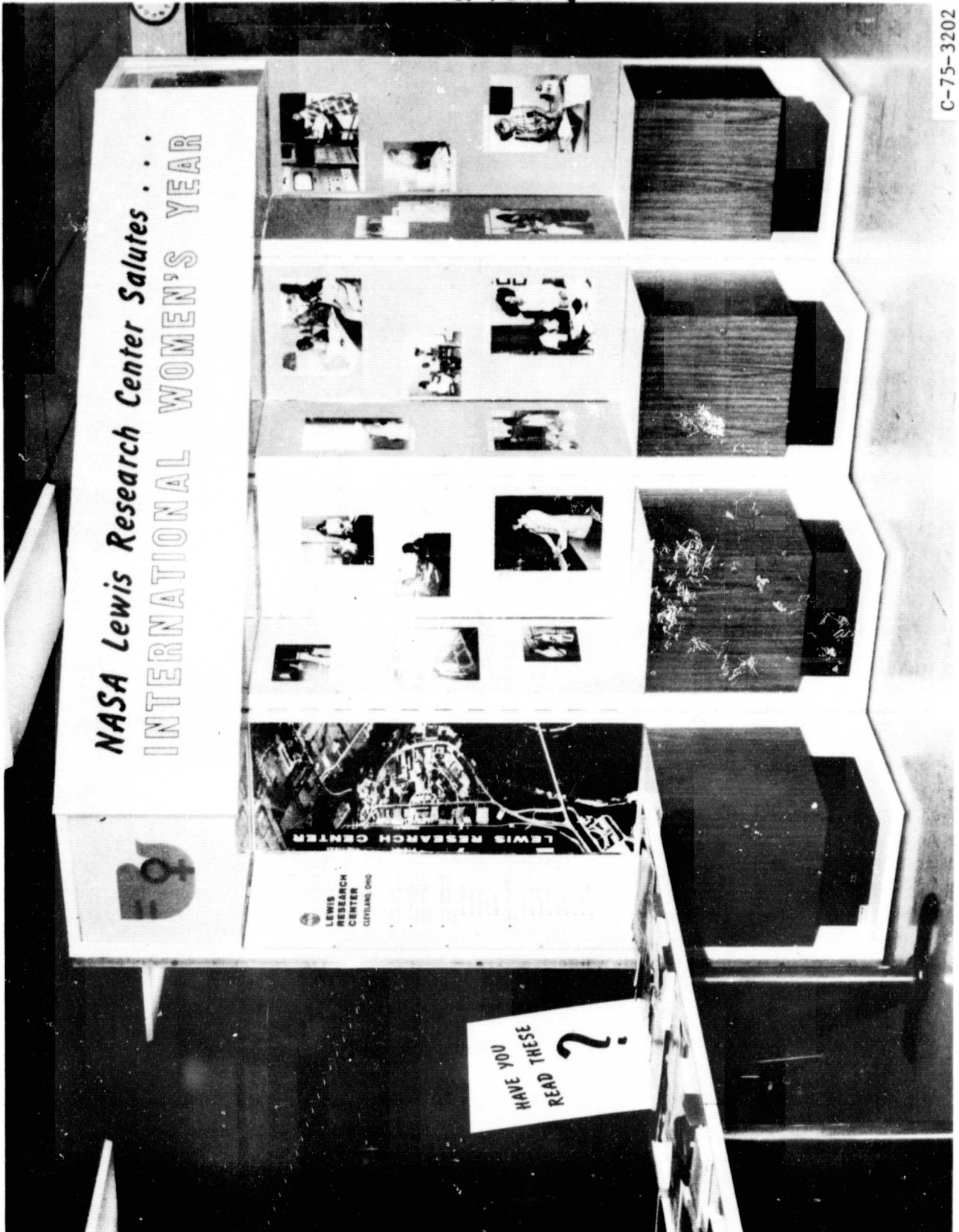
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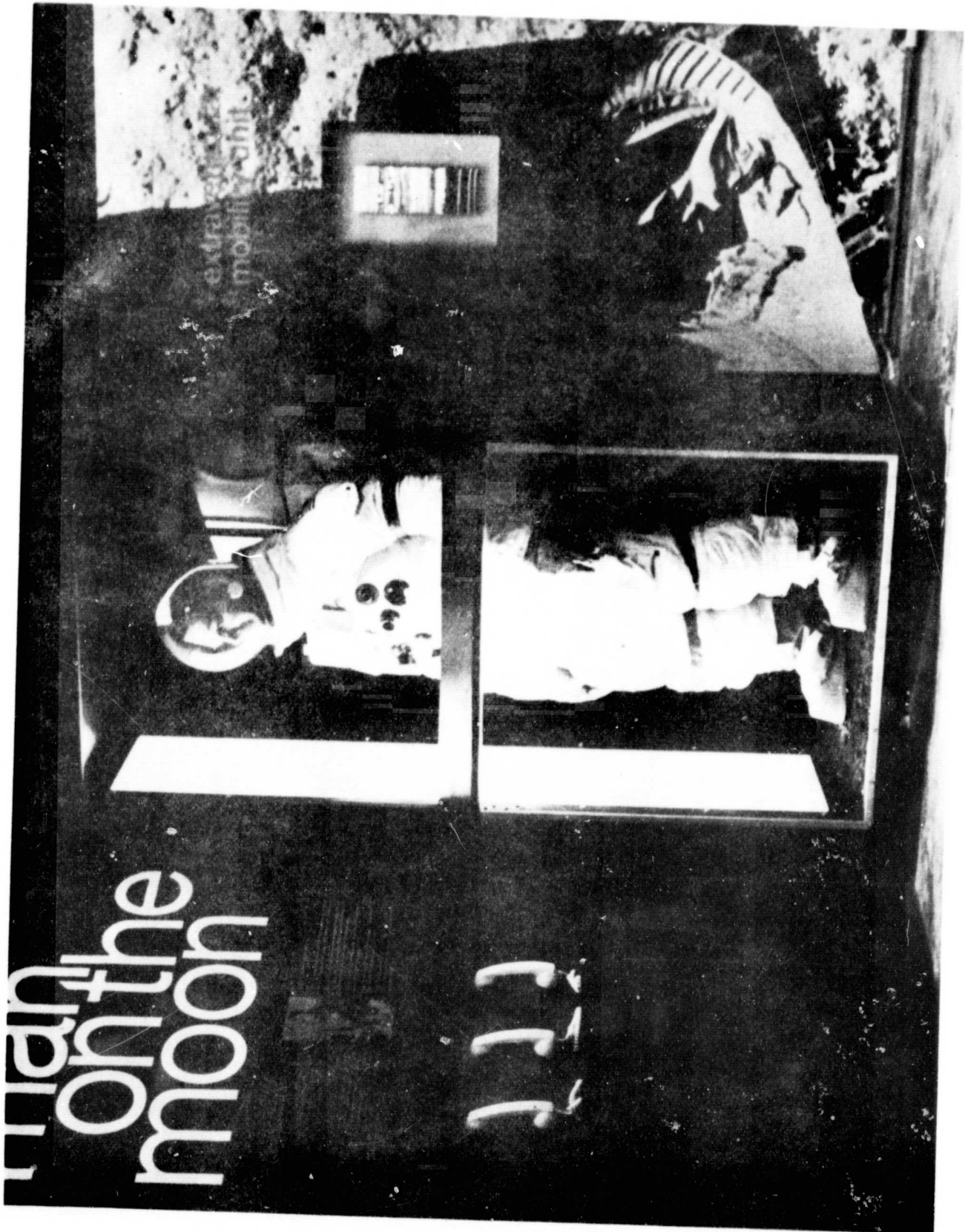
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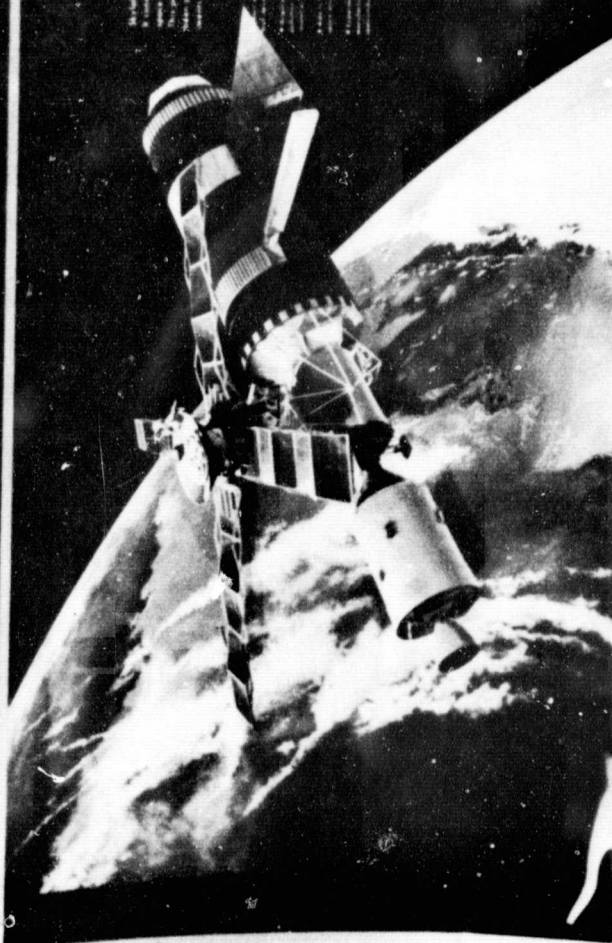
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SKYLAB

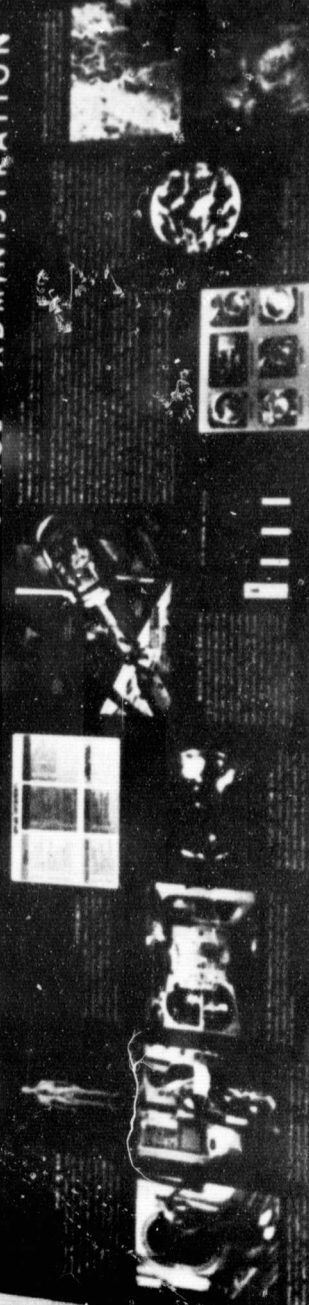


Skylab was the first major step in the development of a permanent manned space station. It consists of a modified component of the Apollo program, the Apollo 16 service module, which was launched in the May and June 1973. The station is a large, cylindrical structure with a diameter of 28 feet and a length of 85 feet. It is designed to support a crew of three astronauts for up to 28 days. The station is the first of a series of space stations to be launched by the Apollo program.

PRINCIPAL SKYLAB EXPERIMENT RESULTS

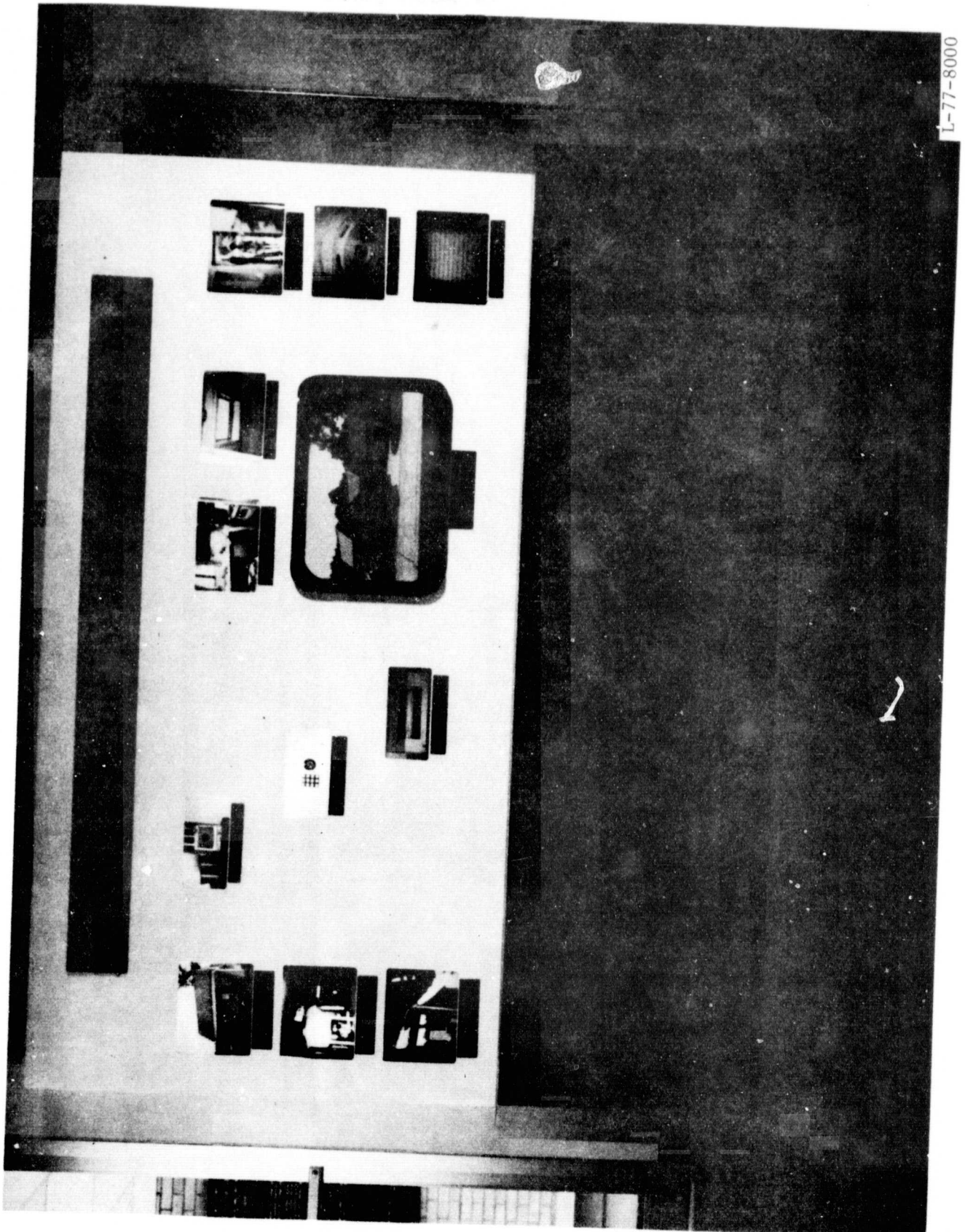
The Skylab mission has provided a wealth of data on the effects of weightlessness on the human body. The data shows that the human body can adapt to weightlessness for a period of up to 28 days. The data also shows that the human body can adapt to weightlessness for a period of up to 28 days. The data also shows that the human body can adapt to weightlessness for a period of up to 28 days.

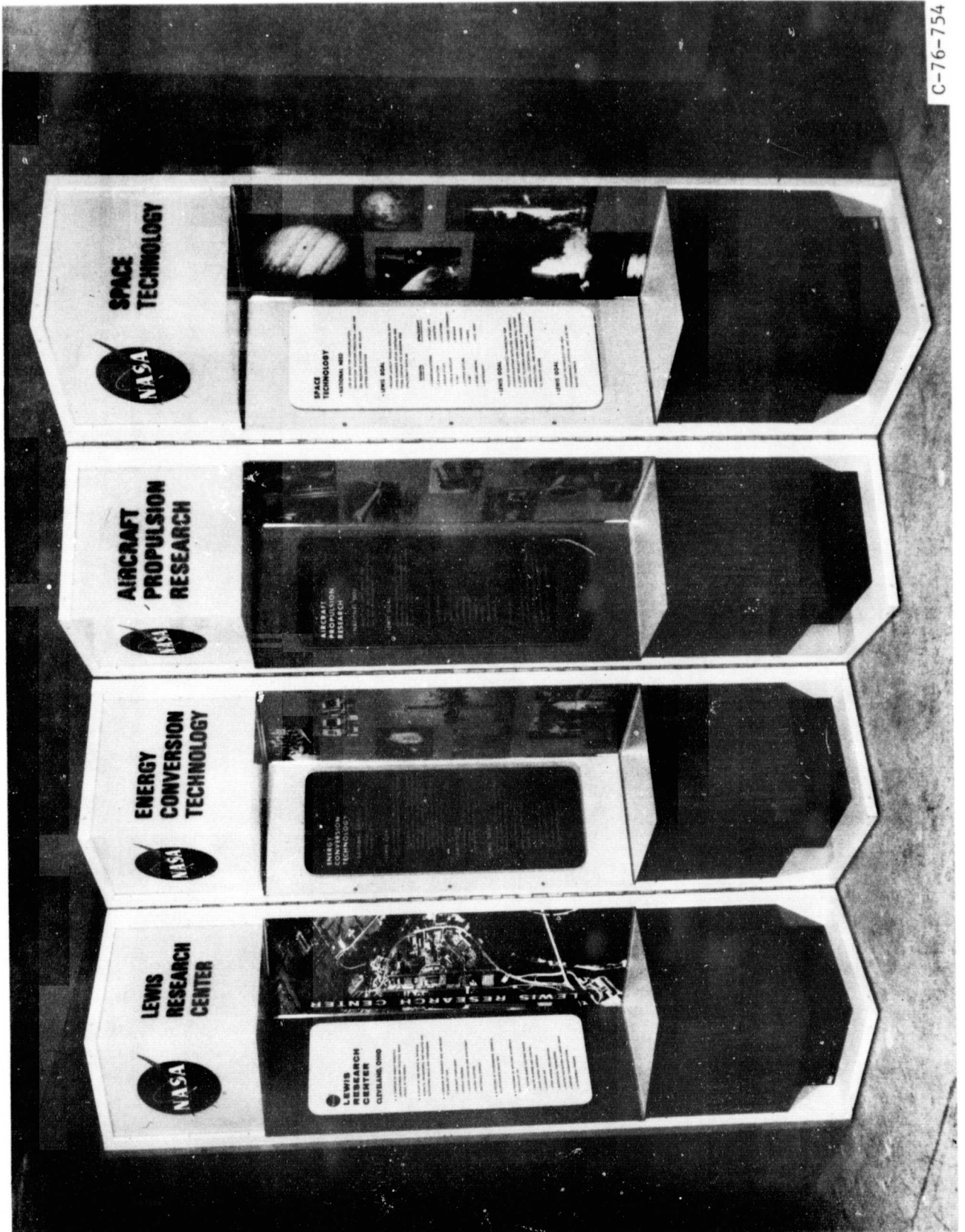
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



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LUNAR EXPLORATION

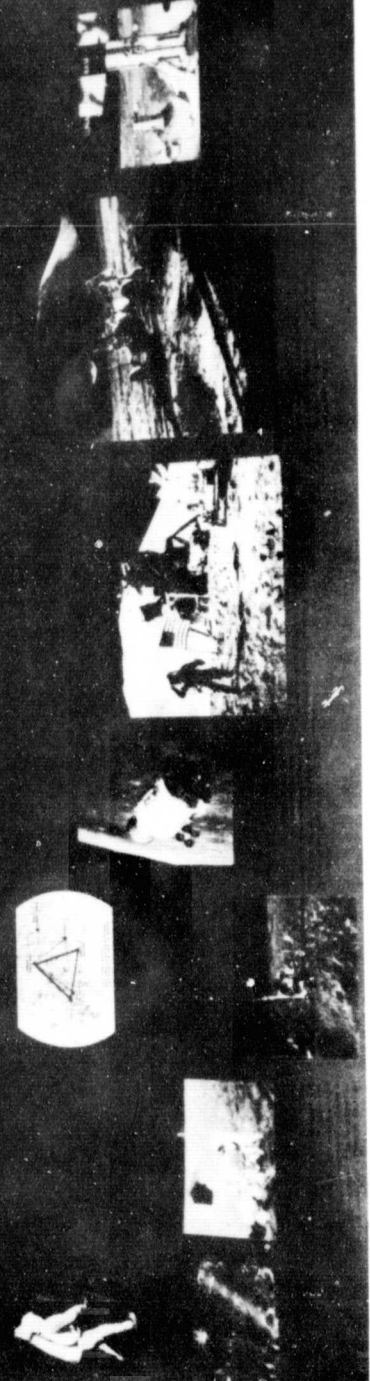
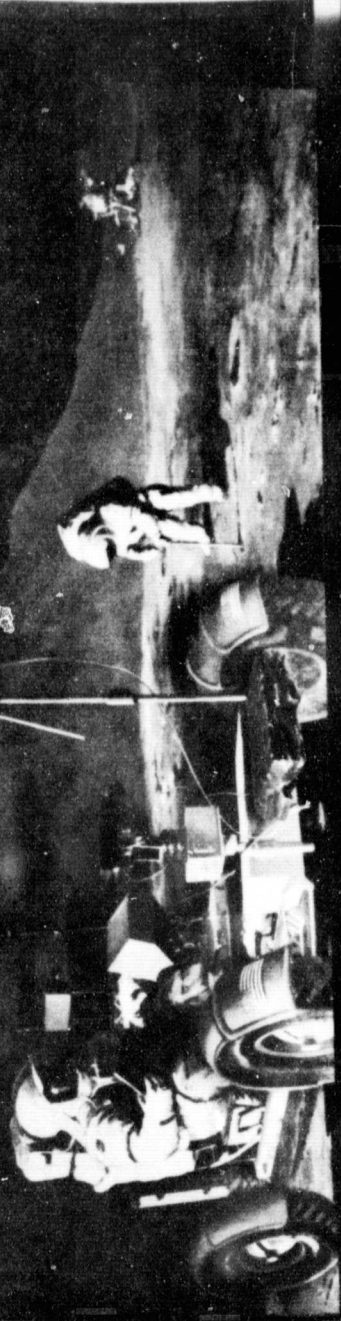
On July 20, 1969, America's second manned lunar landing was achieved. The Apollo 11 mission, the first of the Apollo program, was a landmark in the history of space exploration. The mission was a triumph of human ingenuity and courage, and it marked the beginning of a new era in space exploration.

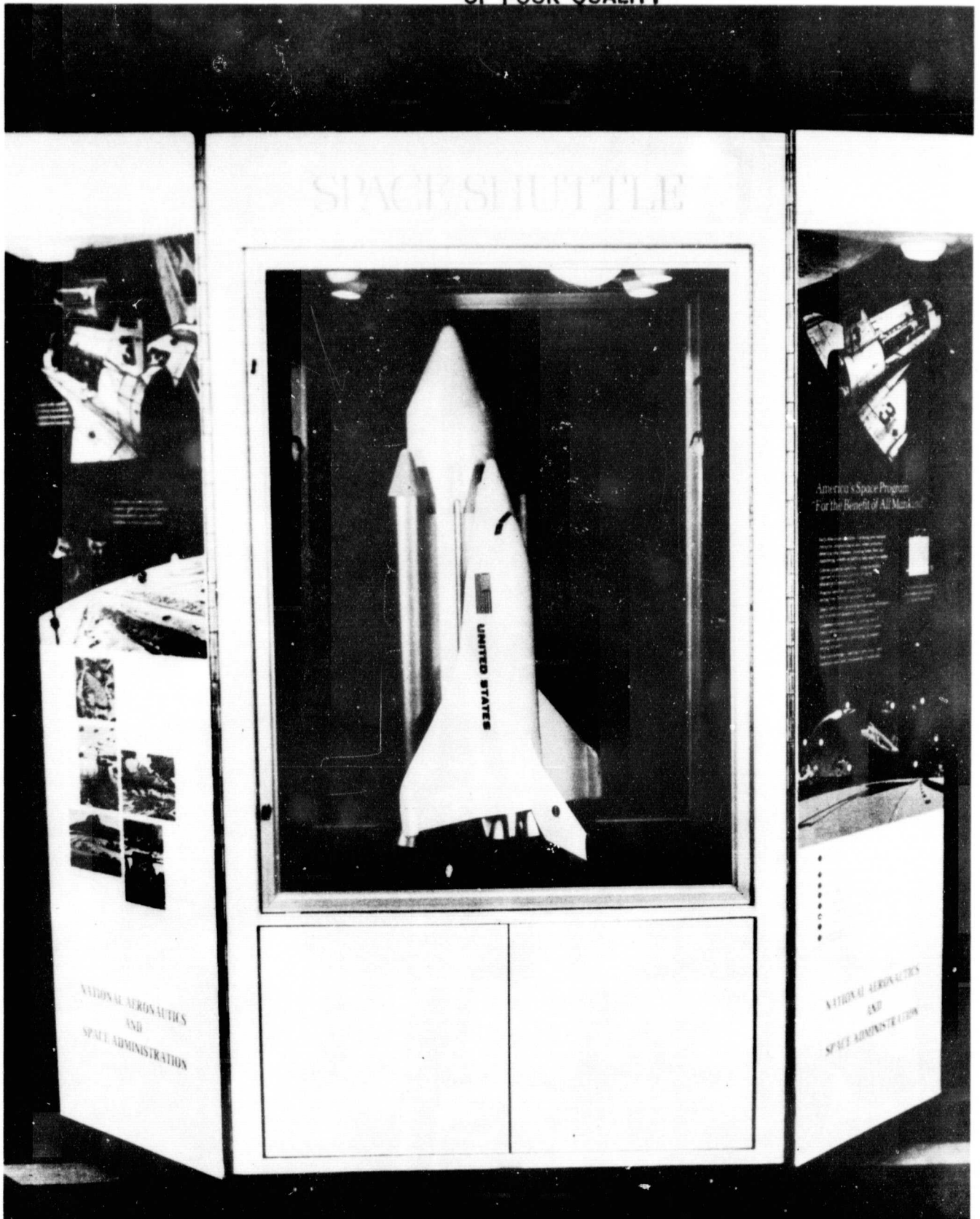
The Apollo 11 mission was the first of a series of missions that would take humans to the Moon. The mission was a triumph of human ingenuity and courage, and it marked the beginning of a new era in space exploration.

The Apollo 11 mission was the first of a series of missions that would take humans to the Moon. The mission was a triumph of human ingenuity and courage, and it marked the beginning of a new era in space exploration.

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CHICAGO

Aviation Cross Roads of the World



Appendix E

Listing of Hand-out Literature

- (1) EP-117 "New Horizons" (41 cartons) - 4920
- (2) EP-120 Quasars, Pulsars, Black Holes, HEAO's (28 cartons) - 3220
- (3) NF-79 "Space Shuttle" (20 cartons) - 1700
- (4) NF-861 "The Planet Venus" (10 cartons) - 5000
- (5) #106 "NASA Film Listing" (2 cartons) - 1200
- (6) #104 "NASA Educational Publications" (2 cartons) - 1400
- (7) #421 "Women at Work in NASA" (11 cartons) - 9900
- (8) #435 Fuel Saving Aircraft" (15 cartons) - 9000
- (9) #452 "Space Lab" (10 cartons) - 15,000
- (10) Spinoff 1978 (2 cartons) - 80
- (11) Minority Profiles (4 cartons) 880
- (12) Black Contributions (4 cartons) - 960
- (13) Space Souvenir Photograph Folders (5 boxes) - 50,000

Appendix F

Statistical Information about Schools

Table I

Grade and High Schools Participation
by Day of the Week

		<u># of Grade Schools</u>	<u># of High Schools</u>	<u>Total Schools</u>
Monday	AM	7	3	10
	PM	-	-	--
Tuesday	AM	6	1	7
	PM	-	-	--
Wednesday	AM	13	1	14
	PM	3	4	7
Thursday	AM	12	1	13
	PM	1	0	1
Friday	AM	17	0	17
	PM	<u>2</u>	<u>2</u>	<u>4</u>
Total		61	12	73

Table II

Grade and High School Students Participation
by Day of the Week

		<u># of Grade School Students</u>	<u># of High School Students</u>	<u>Total Students</u>
Monday	AM	1049	200	1249
	PM	--	--	--
Tuesday	AM	660	267	927
	PM	--	--	--
Wednesday	AM	853	267	1120
	PM	77	444	521
Thursday	AM	1347	246	1593
	PM	26	0	26
Friday	AM	1390	0	1390
	PM	<u>235</u>	<u>350</u>	<u>585</u>
Total		5637	1774	7411

A total of 7,411 students participated in the program. Of this number, 23.8% came from high schools and 76.2% came from elementary schools.

Private Representation. Two private schools participated in the program with students representing 1% of the total students.

Parochial Representation. Four parochial schools participated in the program with students representing 4% of the total.

Non-City of Chicago. Two schools from outside Chicago corporate limits participated, one from Markham, Illinois and one from Gary, Indiana. Students from the two schools represented 11% of the total student participation.

Note:

A complete listing of the schools participating in the program follows.

Monday, October 2, 1978
Morning Program

<u>Contact Name and Phone</u>	<u>Name of School and Address</u>	<u>Zip Code</u>	<u>Number of Students</u>
Mrs. Dickerson/375-6334	Black Branch School 7133 South Coles Ave.	60649	50
Leon Hendricks/549-2474	Abraham Lincoln Ele. 615 West Kemper Place	60614	35
Mrs. Granata/785-6703	Brenan Ele. 11411 South Eggleston	60628	175
Mrs. McCarm/873-2258	Hirsch High School 7740 South Ingleside	60619	50
Mrs. Koperniak/768-2107	Sullivan Ele. 8255 South Houston Ave.	60617	95
Mr. McLaughlin/483-8865	Dixon Ele. 8306 South St. Lawrence Ave.	60619	350
Harriet Overgun/641-8214	Whitney Young Magnet High School 1450 West Jackson	60607	100
Molly Stuber/721-3080	Perry School 9130 South University	60619	312
Jim Majewski/287-5347	Julia Howe Ele.-720 N. Lorel	60644	32
Mr. Bozovsky/721-6942	Bowen High School 2710 East 89th Street	60617	<u>50</u>
TOTAL			1249

Tuesday, October 3, 1978
Morning Program

<u>Contact Name and Phone</u>	<u>Name of School and Address</u>	<u>Zip Code</u>	<u>Number of Students</u>
Victor McCain/331-0880	Canterbury Jr. High School Markham, Illinois	60426	267
Bernard Spillman	Adam Clayton Powell Ele. 7530 South Shore Drive	60649	80
Mr. Elliott/493-0092	Bret Harte Ele. 1556 East 56th Street	60637	50
Mrs. Granata/785-8308 6703	Brenan Ele.-11411 S. Eggleston	60628	170
Mrs. Harrington/238-8271	Barnard Ele.-10354 S. Charles	60643	150
Mr. Wright/536-3100	Louis Whitworth School 4959 South Blackstone	60615	60
Mr. Tanshaan/445-5983	Wacker Ele.-9746 S. Morgan	60643	<u>150</u>
TOTAL			927

Wednesday, October 4, 1978
Morning Program

<u>Contact Name and Phone</u>	<u>Name of School and Address</u>	<u>Zip Code</u>	<u>Number of Students</u>
Mrs. Paypes/264-6208	Whistler Ele.-11533 S. Ada	60643	100
Jean Junker/238-7211	Kellog Ele.-9241 S. Leavitt	60620	47
Stephen Martin/846-3288	Charles Brownell Ele. 6741 S. Michigan	60637	40
Mrs. Kirsten/375-2040	Black Ele.-9101 S. Euclid	60617	30
723-1989	Burnside Ele.-650 E. 91st Pl.	60619	60
Paula Cullotto/762-3655	Planomdon Ele. 1525 South Washtenaw Ave.	60608	56
Robert Floss/873-8096	Kershaw Ele.-6450 S. Lowe	60621	64
Victor McCain/331-0880	Canterbury Jr. High School Markham, Illinois	60426	267
Pat McKenzie/768-8511	Thorp Ele.-8903 S. Burley Ave.	60617	42
Anna Stark/624-0924	Reavis Ele.-834 E. 50th St.	60615	17
Mrs. Johannes/468-8258	Gompers Ele.-12302 S. State	60628	100
Mrs. Granata/785-6703	Brenan Ele.-11411 S. Eggleston	60628	212
Mrs. Crittendon/233-5168	Vanderpoel Ele. 9510 South Prospect	60643	50
Mrs. Cook/493-0550	Wadsworth Upper Grade Center 6420 South University	60637	<u>35</u>
TOTAL			1120

Wednesday, October 4, 1978
Afternoon Program

<u>Contact Name and Phone</u>	<u>Name of School and Address</u>	<u>Zip Code</u>	<u>Number of Students</u>
Shelia Frazier/436-2500	Lindbloom High School 6130 South Wolcott Ave.	60636	80
Mr. Sackler/783-2578	Calumet High School 8131 South May Street	60620	100
Mr. Morello/787-0820	Latin School Of Chicago 59 West North Boulevard	60610	64
Mrs. Bannor/785-3652	Harlan High School 9652 South Michigan Ave.	60628	200
Sharon Hackett/468-0848	Durme Ele. 10845 S. Union Ave.	60628	32
David Becker	Martin Luther King Ed. Center 253 East 113th Street	60628	20
Sister Rose/752-0708	St. Thomas Apostle 5467 South Woodlawn Ave.	60615	<u>25</u>
TOTAL			521

Thursday, October 5, 1978
Morning Program

<u>Contact Name and Phone</u>	<u>Name of School and Address</u>	<u>Zip Code</u>	<u>Number of Students</u>
Victer McCain/331-0880	Canterbury Jr. High School Markham, Illinois	60426	246
Mrs. Penn/333-1992	Field Ele.-47 S. Wallace Gary, Indiana	46408	40
Mary Willis/881-1586	Marcus Garvey Ele. 10309 South Morgan Street	60643	50
Roosevelt Burnett/821-7423	Wendell Smith Ele. 744 East 103rd Street	60628	335
287-5347	Julia Howe Ele. 720 North Lorel Ave.	60644	35
	St. Thaddeus Ele. 9358 South Harvard Ave.	60628	89
Sister Maureen	St. Elizabeth Ele. 4052 South Wabash Ave.	60653	36
Mrs. Dorman/568-7020	Scanlon Ele. School 11725 South Perry	60628	50
Mr. Michaels/785-4072	Kohn Ele. (Old Building) 10414 South State	60628	100
Mr. Elliott/493-0092	Bret Harte Ele. 1556 East 56th Street	60637	50
Mary Doyle/735-7017	Peck Ele.-3826 W. 58th St.	60629	142
Mrs. Doherty/768-6822	Sheridan Ele. 9000 S. Exchange Ave.	60617	250
	St. Daniel Prophets School 5337 South National	60638	<u>170</u>
TOTAL			1575

Thursday, October 5, 1978
Afternoon Program

<u>Contact Name and Phone</u>	<u>Name of School and Address</u>	<u>Zip Code</u>	<u>Number of Students</u>
Pat Taylor/667-2712	Carter Ele.-5740 S. Michigan	60637	26

Friday, October 6, 1978
Morning Program

<u>Contact Name and Phone</u>	<u>Name of School and Address</u>	<u>Zip Code</u>	<u>Number of Students</u>
Angeline Davis/842-3434	Daniel Hale Williams School 2710 South Dearborn Street	60616	44
Mrs. Paypes/264-6208	Whistler Elementary School 11533 South Ada Street	60643	100
Deborah Heath/925-1416	Ralph Bunche Ele. School 6515 South Ashland Ave.	60626	95
Elizabeth Ladouceur/846-4649	Kilping Ele. School 9351 South Lowe	60620	150
Pat Gallagher/624-1020	Shakespear Ele. School 1119 East 46th Street	60653	50
Charles Staley	Beale Ele. School 6006 South Peoria	60621	25
Judy Donatto/493-4174	McCosh Ele. School 6543 South Champlain	60637	36
Mrs. Johannes/468-8258	Gompers Ele. School 12302 South State Street	60628	120
Dorothy Williams/239-7919	Medgar Evers School 9811 South Lowe Ave.	60628	67
Mr. Mear/821-2700	Van Vlissingen Ele. School 137 West 108th Place	60628	40
Mr. Foracidri/238-6742	Esmond Ele. School 1865 West Montvale Ave.	60643	160
Mrs. Dorman/568-7020	Scanlan School 11725 South Perry	60628	50
Mrs. Doherty/768-6822	Sheridan School 9000 South Exchange Ave.	60619	250
Mrs. Pearl John/238-6655	Mt. Vernon Ele. School 10540 South Morgan	60643	100
Mrs. Smith/785-1617	Nansen Ele. School 12607 South Union	60628	34
Daniel Callahan/785-4072	Kohn Ele. School 10414 South State Street	60628	35
Donald Bayer/238-5876	Clissold Ele. School 2350 West 110th Place	60643	34

Friday, October 6, 1978
Afternoon Program

<u>Contact Name and Phone</u>	<u>Name of School and Address</u>	<u>Zip Code</u>	<u>Number of Students</u>
Delores Keating/264-7157	Fenger High School 11220 South Wallace	60628	175
Dave Gradner/821-2515	Corliss High School 821 East 103rd Street	60628	175
Delores Rease/734-7394	Schmid Ele. School 9755 South Greenwood	60648	35
Mrs. Hayes/785-8308	Bennett Ele. School 10115 South Prairie	60628	<u>200</u>
TOTAL			1945

Appendix G

Newspaper Articles

- (1) September 9, 1978, Metro News, Chicago, Illinois
- (2) September 17, 1978, Sun Times, Chicago, Illinois
- (3) September 18, 1978, Chicago State University Tempo No. 5, Vol. 85
- (4) September 20, 1978, Suburban Economist, West Edition, Chicago, Illinois
- (5) September 20, 1978, Economist, Suburban, Edition, Oaklawn, Illinois
- (6) September 20, 1978, Southtown Economist, Oak Forest, Illinois
- (7) September 20, 1978, Southtown Economist, Orland Park, Illinois
- (8) September 20, 1978, Southtown Economist, Midlothian, Illinois
- (9) September 20, 1978, Southtown Economist, Country Club, HLS, Illinois
- (10) September 20, 1978, Southtown Economist, Palos, Illinois
- (11) September 20, 1978, Southtown Economist, Tinley Park, Illinois
- (12) September 20, 1978, Suburban Economist, East Edition, Chicago, Illinois
- (13) September 23, 1978, Ledger, Canton Illinois
- (14) September 25, 1978, Daily Calumet, Chicago Illinois
- (15) September 28, 1978, Southwest News Herald, Chicago, Illinois
- (16) September 30, 1978, Defender, Chicago, Illinois
- (17) October 2, 3, 4, 5, 7, 1978, Daily Defender, Chicago, Illinois
- (18) October 6, 1978, Daily Calumet, Chicago, Illinois
- (19) October 11, 1978, Defender, Chicago, Illinois
- (20) November 10, 1978, Journal and Guide, Norfolk, Virginia

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newsclip

midwest chicago
763-4065

METRO NEWS
Chicago, IL
W C 65,000

SEPT -9 -78

Chicago Meets Outer Space Exhibition

Chicago Meets Outer Space, a one-week aerospace education project, will be at Chicago State University, October 1-8, 1978. The exhibition and discussion series are sponsored by the American Institute of Aeronautics and Astronautics, Chicago State University, City of Chicago Dept. of Human Services, and the National Aeronautics and Space Administration.

The program is designed to increase the public's knowledge and understanding of space programs and the spin-off technology which has been

adopted to improve our way of life. An estimated 200 governmental and legislative leaders, aerospace and business executives, and educational leaders will participate in the opening ceremonies.

Thomas K. Mattingly II, NASA Astronaut and Commander in the United States Navy, will present NASA memorabilia to city, state, and educational officials. A Chicago native, Mattingly served as command module pilot of Apollo 16 which collected samples from the lunar highlands in April 1972.

newsclip

Midwest Chicago
763-1765

SUN-TIMES
CHICAGO, IL
SUN. C 671.879

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SEPT -17-78

Class action

Chicagoans getting space-age education

Patricia Smith

"Chicago Meets Outer Space," a one-week aerospace education project, will be held at Chicago State University, Oct. 1-8. The exhibition and discussion series are sponsored by the American Institute of Aeronautics and Astronautics, Chicago State University, the city Department of Human Services, and the National Aeronautics and Space Administration.

The program is designed to increase the public's understanding of space programs and the spin-off technology. An estimated 200 governmental and legislative leaders, aerospace and business executives and educational leaders will participate in opening ceremonies.

For general information on hours and special arrangements for elementary and high school students, call Valencia Coar, director of University Relations, at 995-2016.

For those who would like to investigate the aerospace field more extensively, the Adler Planetarium will begin 13 astronomy and navigation courses in early October as part of its expanded 1978-79 educational program for adults and young people. The 24-course program includes several popular offerings that are repeated in the fall, winter and spring terms.

Among classes beginning Oct. 3 and 5 are eight-week courses in skywatching, navigation and the use of telescopes, with most courses using the planetarium's Sky Theater and new Doane Observatory on the lakefront. Also scheduled are courses about the planets, space settlement, extraterrestrial life, "deep space" objects and the larger universe. A six-week course on exploring the planets begins Oct. 7 for young people aged 10 to 14.

Fall course enrollments are being accepted, but most registrations are handled in the hour preceding the first class meeting. A free brochure containing course descriptions, schedules and enrollment information will be mailed on request. Call 322-0304 during normal business hours Monday through Friday or write the Adler Planetarium, 1300 S. Lake Shore Dr., Chicago 60605.

"UNDERSTANDING the Visual Arts," an eight-week seminar in art appreciation, will be held at Roosevelt University, 430 S. Michigan, beginning Wednesday. Classes will meet once a week from 9:45 a.m. to 11:45 a.m.

Dennis Adrian, a local artist, will conduct the illustrated lecture-discussions, which will emphasize modern art and the historical trends leading to it.

The fee is \$45. Participants must register in advance. Call 341-3637.

**inside
TEMPO**

**Eyes
of Laura Mars**
page 5

**Chicago meets
outer space**
page 3

**New
Baseball
Coach**
page 11



September 18, 1978

Chicago State University

Tempo



No. 5 Vol. LXXXV

Close Encounter of the CSU kind

by Thomas McCarroll

Chicago State University has been chosen as the launching pad of a \$200,000 National Aeronautics and Space Administration (NASA) space exhibit. The program "Chicago Meets Outer Space", co-sponsored by CSU and NASA, will be conducted on the CSU campus from October 1 through October 8 in the William Robinson Student Center ("K" Building). The program will host a number of "spaced-out" features, including a visit hopefully by NASA's new minority astronauts and informative lectures.

The "Chicago Meets Outer Space" display at CSU will blast-off the "Chicago Spacewatch" program



sponsored by the National Space Institute in commemoration of NASA's 20th anniversary. The "Chicago Spacewatch" project will feature a number of Chicago media programs and city-wide exhibits designed to familiarize Chicagoans with the final frontier.

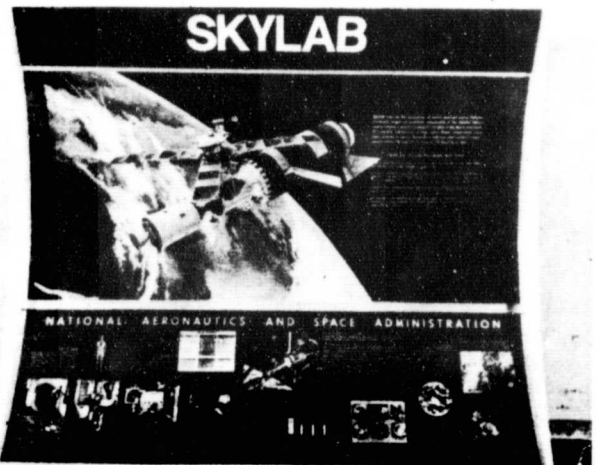
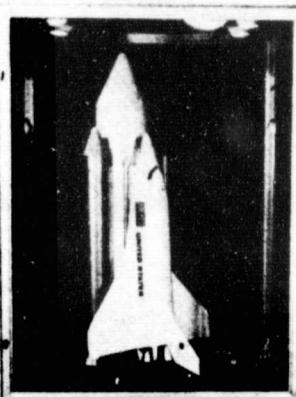
The astronomical program will begin its orbit Sunday, October 1 at 7:00 AM. Mayor Michael Bilandic and Governor James Thompson will dock here simultaneously to announce a two-week or month-long observance of the effect of the space program on the Illinois and Chicago areas. CSU President Benjamin Alexander will host the ceremonies.

Monday October 2 will mark the opening of the space display which will include models of the space shuttle, the vehicle which will zip earthlings around the milkyway and back in the near future, and spacesuits. There will also be a actual demonstration of a communication technology satellite. A live TV program from Cleveland, Ohio, will be beamed by satellite to CSU.

For the more down-to-earth spectators, lectures on career opportunities in the aerospace industry will be held. The lectures will point out the future in the engineering and science fields, as well as subprofessional careers, such as secretarial, crafts and trades. There will be one-hour discussions each day by astronauts explaining their roles in flying and using the spaceshuttle.

For spacebuffs who want keepsakes of the experience, space souvenir photographs will be taken. A mock-up of spacesuits and a lunar background will be available for a way-out pose.

While we may not be invaded by Martians, 4300 alien grammar and high school students are expected to land at CSU to visit the exhibits, which will be open to the general public. (Watch the next TEMPO—September 25—for more information and schedule.)



ORIGINAL PAGE 13
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midwest/chicago
263-4055

SUBRN. ECONOMIST
EAST EDITION
CHICAGO, IL
W C 23,900

SEPT -20-78

Astronauts, moon rocks to appear in exhibit

Personal appearances by two NASA astronauts, a moon rock, a mock space suit, and scores of space related exhibits will be featured during the week-long Chicago Meets Outer Space exhibit at Chicago State University, Oct. 2 through Oct. 8.

One astronaut, Thomas Mattingly, a Chicago native who is also a U.S. Navy commander, has been an astronaut for the past 16 years. Mattingly, who served as command module pilot for Apollo 16 in 1972, will greet visitors during

two days of the space exhibit.

Donald Slayton, as a member of the Apollo-Soyuz test project, was docking module pilot in the first historic space meeting with Russian cosmonauts in 1975. Slayton, a 19-year veteran of the astronaut program, will be on hand to greet space exhibit visitors on Oct. 5.

The American Institute of Aeronautics and Astronautics, the National Aeronautics and Space Administration, and the Chicago Department of Human

Services join Chicago State University in sponsoring the Chicago Meets Outer Space exhibits. It is aimed at affording Chicago area residents an "up-close" view of the latest available information about the country's space program.

On display in the William Robinson Student Activity Center (K Building) on the campus at 95th st. and King dr., the Chicago Meets Outer Space exhibit will be free and open to the public during its entire eight-day stay.

Preparations are being made to welcome thousands.

newsclip
midwest/chicago
351-4855

DAILY CALUMET

Chicago, IL

D C 11,500

SEPT -25-78

CSU Host

Astronauts Visit City In October

In addition there will be a moon rock, a mock space suit and scores of space related exhibits at the university's William Robinson Student Activity Center (building K).

95th and King Dr.

Personal appearances by two NASA astronauts, Thomas Mattingly and Donald Slayton will be the feature of a free public Chicago Meets Outer

Space Exhibit at Chicago State University, Oct. 2 to Oct. 8.

Mattingly is a Chicago native who is also a U.S. Navy commander and an astronaut for the past 16 years. He

also served as command module pilot for Apollo 16 in 1972. Mattingly will greet visitors during two days of the Space Exhibit.

Slayton, as a member of the Apollo-Soyuz Test Project was docking module pilot in the first historic space meeting with Russian Cosmonauts in 1975. A 19-year veteran of the astronaut program, Slayton will greet Space Exhibit visitors Oct. 5.

The purpose of the exhibit is to afford Chicago area residents an "up-close" view of the latest available information about the country's space program. Thousands of Chicago area elementary schoolchildren are expected to visit the exhibit daily between 10 a.m. and 1 p.m.

Area high school students and adults are invited to attend the exhibit between 1 and 4 p.m. The program will also be open to the public on weekends from 9 a.m. to 5 p.m.

The exhibit is being sponsored by The American Institute of Aeronautics and Astronautics, the National Aeronautics and Space Administration and the Chicago Department of Human Services.

For more information call the university at 955-2016.

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People

Teesee's Town

Provident Hospital seeks artist



by Theresa Fambro Hooks

The good folks over at Provident Hospital are looking for a generous artist willing to donate a painting to hang over the fireplace in the lobby/visitors' waiting room, which is about to undergo a redecorating period. The color scheme will be vibrant orange and chocolate brown, and the dimensions of the donated artwork should be approximately 24" x 36". If you or any one you know can help, give Sharon Morgan a call at Provident, 285-5300. ... Happy birthday wishes to Charles A. ("Chuck") Davis, president of Charles A. Davis & Associates, the public relations and marketing firm; and to Iris Carter, the barmaid out at the 913½ Club on E. 79th St.

Chester Commodore, is back from Jackson, Miss. where he lectured to journalism students at Jackson State University on the history of the Defender and its founder, Robert Sengstacke Abbott. ... Linda Sparks and Char Walker are tossing another of their fabulous "little dinner parties" this weekend in Linda's (she's the graphic artist) N. Lake Shore Dr. condo. ... Roy A. Jones, Jr., assistant director of admissions at IIT and graduate advisor to Alpha Phi Alpha Fraternity's Nu Rho chapter (members are IIT's engineering/science students), tells us they're hosting their Installation Banquet this Saturday at Grover M. Hermann Hall on campus. Spearheads are Arndell Ricks, chairperson, and Ronald Andre, chapter president. ... Chicago State University's Dr. Benjamin H. Alexander, president, hosts Sunday evening's opening ceremony of the "Chicago Meets Outer Space" exhibition in the William Robinson Center (K Building). Co-sponsors of the show are CSU, American Institute of Aeronautics and Astronautics, Chicago's Department of Human Services and the National Aeronautics and Space Administration (NASA).

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midwest, Chicago
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SOUTHWEST
NEWS-Herald
Chicago, IL
W C 31.200

SEPT -28-78

2 Astronauts Host Exhibit At Chicago State

Personal appearances by two NASA astronauts, a moon rock, a mock space suit and other space related exhibits will be featured during the week-long Chicago Meets Outer Space exhibit at Chicago State university, 95th and King dr., starting Monday, Oct. 2.

One astronaut, Thomas Mattingly, a Chicago native who is also a U.S. Navy commander, served as command module pilot for Apollo 16 in 1972. He will greet visitors during two days of the exhibit.

Astronaut Donald Slayton will greet visitors on Thursday, Oct. 5. Slayton was a member of the Apollo-Soyuz test project in 1975 which involved the first space meeting with Russian cosmonauts.

The exhibit is free and open to the public. The exhibit will be held in the William Robinson Student Activity Center (K Building).

High school students and adults are invited to attend the exhibit Monday through Friday between 1 and 4 p.m. Persons can also view it on Saturday, Oct. 7, and Sunday, Oct. 8 between 9 a.m. and 5 p.m.

newsclip
midwest / chicago
263-4065

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DAILY CALUMET
Chicago, IL
D C 11,500

OCT --6-78

'Chicago Spacewatch'

Celebrate 20 years

In honor of the 20th birthday of the space program this October, a month-long communications program has been planned under the theme of "Chicago Spacewatch."

Sponsored by the National Space Institute, the National Aeronautics and Space Administration, and a host of city organizations, Spacewatch is designed to increase the public's understanding of the space program.

"Chicago Meets Outer Space" is the title of a special exhibit co-sponsored by Chicago State University, which runs through Sunday, Oct. 8. It is aimed at affording Chicago area residents an up-close view of the latest available information.

The outer space exhibit will continue on Saturday and Sunday, from 9 a.m. to 5 p.m.

Other portions of Chicago

04
Spacewatch include an extensive guest speaker program for the city's public and parochial schools.

R2D2, from the "Star Wars" movie will highlight displays at the Museum of Science and Industry. ABC's weatherman John Coleman will explain how weather satellite photos are made and interpreted. In addition, Rockwell International will stage a multi-media presentation about using space to benefit mankind, on Saturday and Sunday, Oct. 14 and 15. A luncheon of "space food" will be served to senior citizens on Oct. 14 at the museum, hosted by the Chicago Junior Association of Commerce and Industry.

Author Gerard O'Neill will speak at Navy Pier, Oct. 20 at 8 p.m., sponsored by the Chicago Society for Space Settlement. A mini-debate by

two top-ranked high school debate teams will precede O'Neill's talk, discussing the pros and cons of solar power energy stations being developed on a national versus international scale.

Other programs within Chicago Spacewatch include students using the Communications Technology Satellite and the Orbiting Satellite Carrying Amateur Radio. A Space Artist Search in the public and parochial schools will be sponsored by Future Magazine with high school entries being displayed at the Richard Daley Civic Center Nov. 5-30. Selected artwork will be published in Future Magazine.

For more information about Chicago Spacewatch call Thomas Gorski at the National Space Institute, Chicago office, 922-4000.

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DEFENDER
Chicago, IL
C 33,320

OCT -11-78



Moon rock ... 0-4

A moon rock holds the attention of Commissioner Cecil Partee (left) of the Department of Human Services, as Thomas K. Mattingly II, NASA astronaut and commander of the United States Navy, points out different aspects of it. The moon rock was on display at a "Chicago Meets Outer Space" event, sponsored by the American Institute of Aeronautics and Astronautics, the Department of Human Services, the National Aeronautics and Space Administration, and the Chicago State University, 95th and King Drive, where the event was held.

Journal and Guide

Friday November 10, 1978 Norfolk, Virginia

Astronaut Visits Chicago Youngsters

CHICAGO—NASA recently completed one of its most concentrated efforts in any single community, to inform the citizens, especially the school age youngsters, of the benefits of space and scientific research.

In an intensive, week long program, dubbed, "Chicago Meets Outer Space," the Community Affairs Division of NASA, in cooperation with the Chicago School System, exposed the wonders of the nation's space program to more than 7,300 of that city's school children. NASA participants ranged from the agency's Director of Personnel to Astronauts Tom Mattingly and Donald "Deke" Slayton.

Youngsters from all areas of the city, representing all racial, ethnic and economic segments of the population were treated to films, lectures and exhibits on space.



Windy City Meets Outer Space

NASA Astronaut Donald "Deke" Slayton of Apollo/Soyuz talks to an interested group of students about the Moonrock in front of them during the citywide space careers program in Chicago.

THE DAILY CITIZEN, Sunday, November 5, 1978

Shuttle stays with NASA

HOUSTON (UPI) - NASA administrator Robert A. Frosch told a group of scientists it will be at least 12 years before there is any private takeover of the space shuttle.

Frosch told a group Thursday NASA had its own plans for the shuttle, except in ground-support systems.

"We will be the space transportation for the military, for our own needs, other agencies, for business and for foreign missions," Frosch said.

The shuttle is expected to fly its first mission next year.

Frosch told the closing session of the American Astronautical Society Thursday the agency will be going back into space for particular reasons and become less a user of its own product.

"NASA is becoming a data-producing agency," Frosch said.

He said the dominant characteristic of the agency in the next few years "will be finding out things for

other people and building the technology to enable us to keep doing this."

He said the space agency will be getting back into the research and development of satellite communications.

Frosch was asked if industry - like the Boeing aircraft company - might supply some crews for the space shuttle.

"They might," he said.

from page 10

The external tank, which carries liquid hydrogen and oxygen for the orbiter's main engines, has the fewest problems. The insulation that keeps these super-cold fluids from boiling off has been changed to include a cork-rubber base.

In addition, weight must be shaved in various places to let the Shuttle carry its maximum payload.

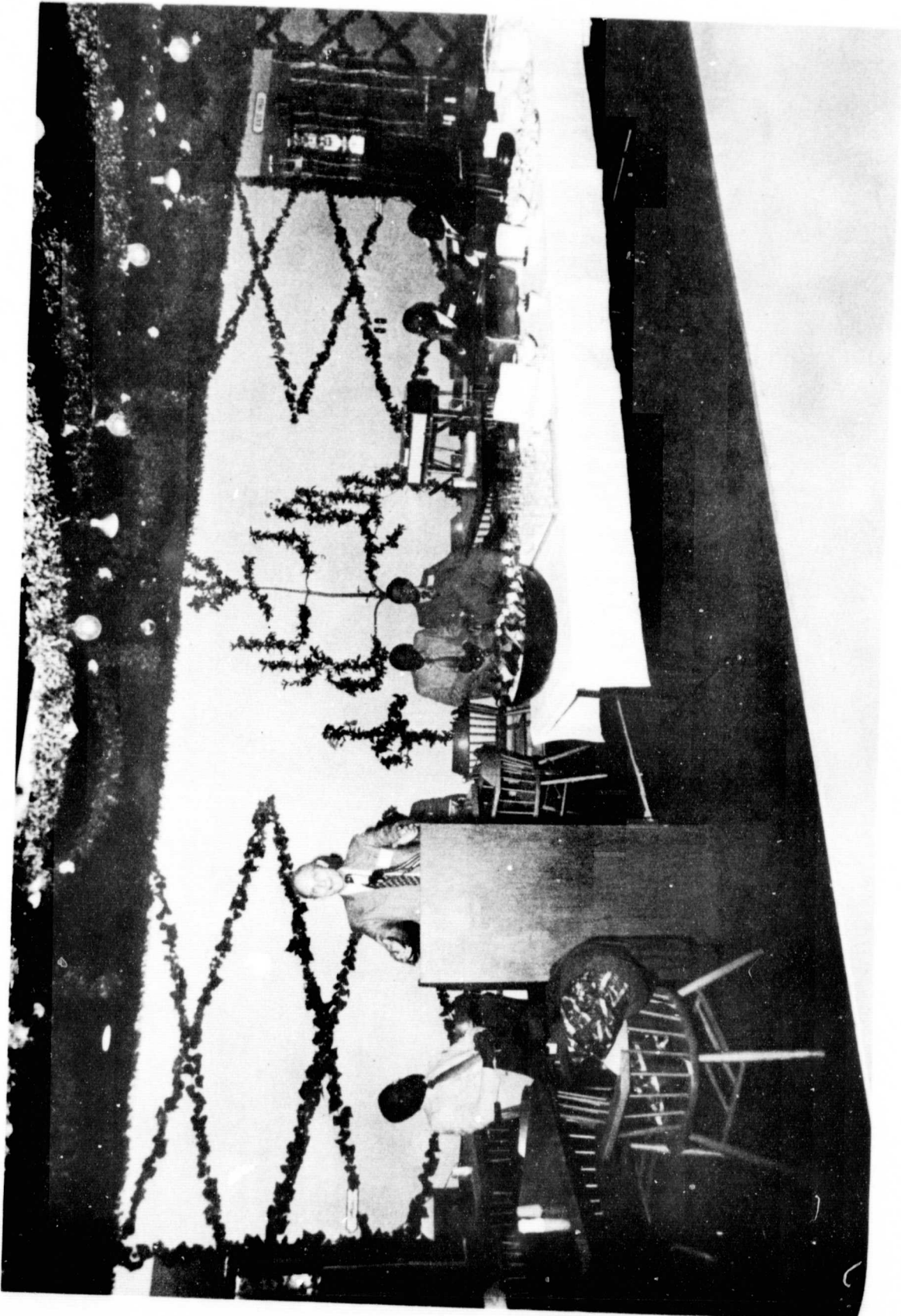
The first flight tank is nearing the end of production and should be ready for insulating in a few weeks.

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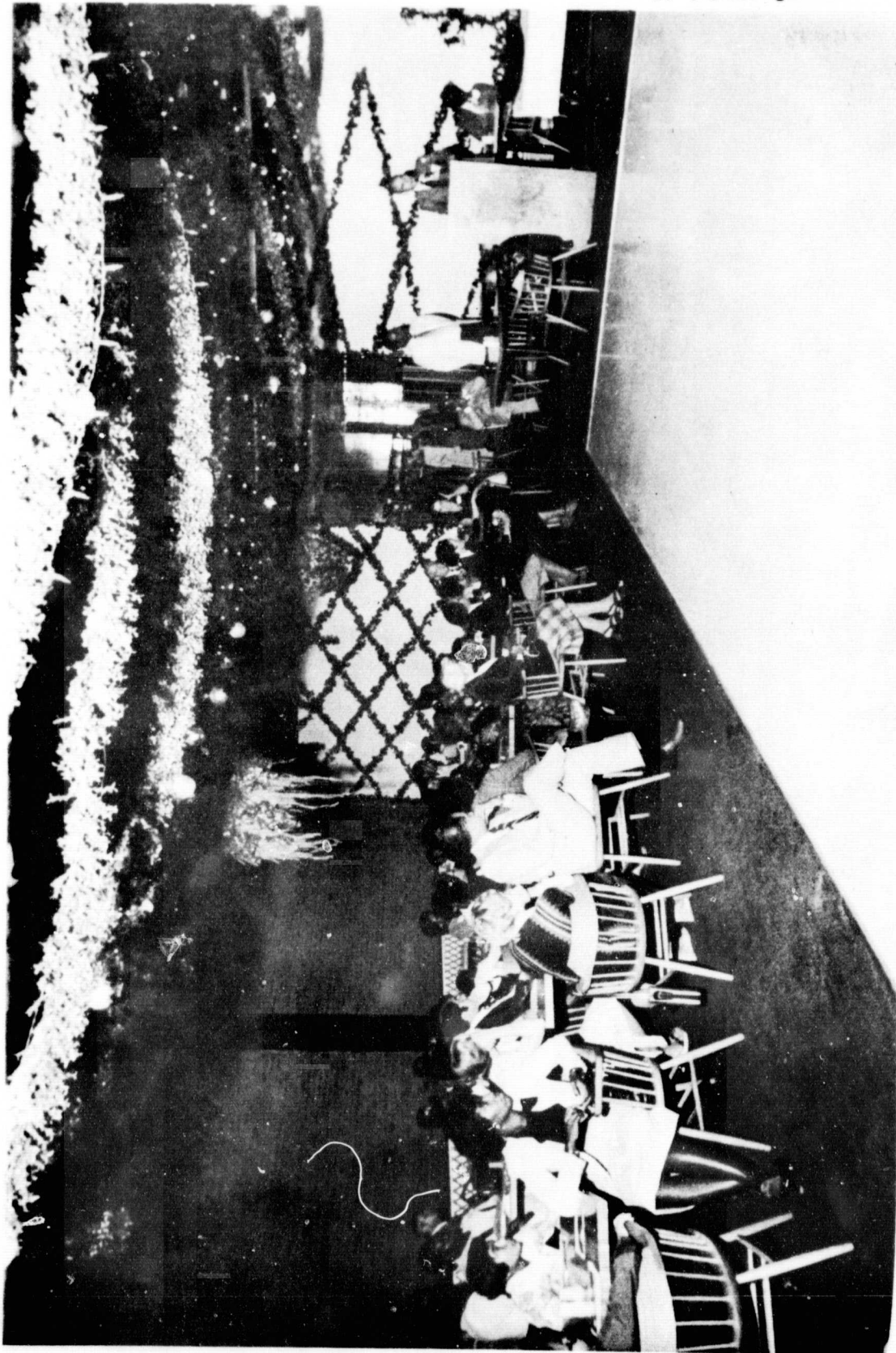
Appendix H

Photographs of "Chicago Meets
Outer Space Program"

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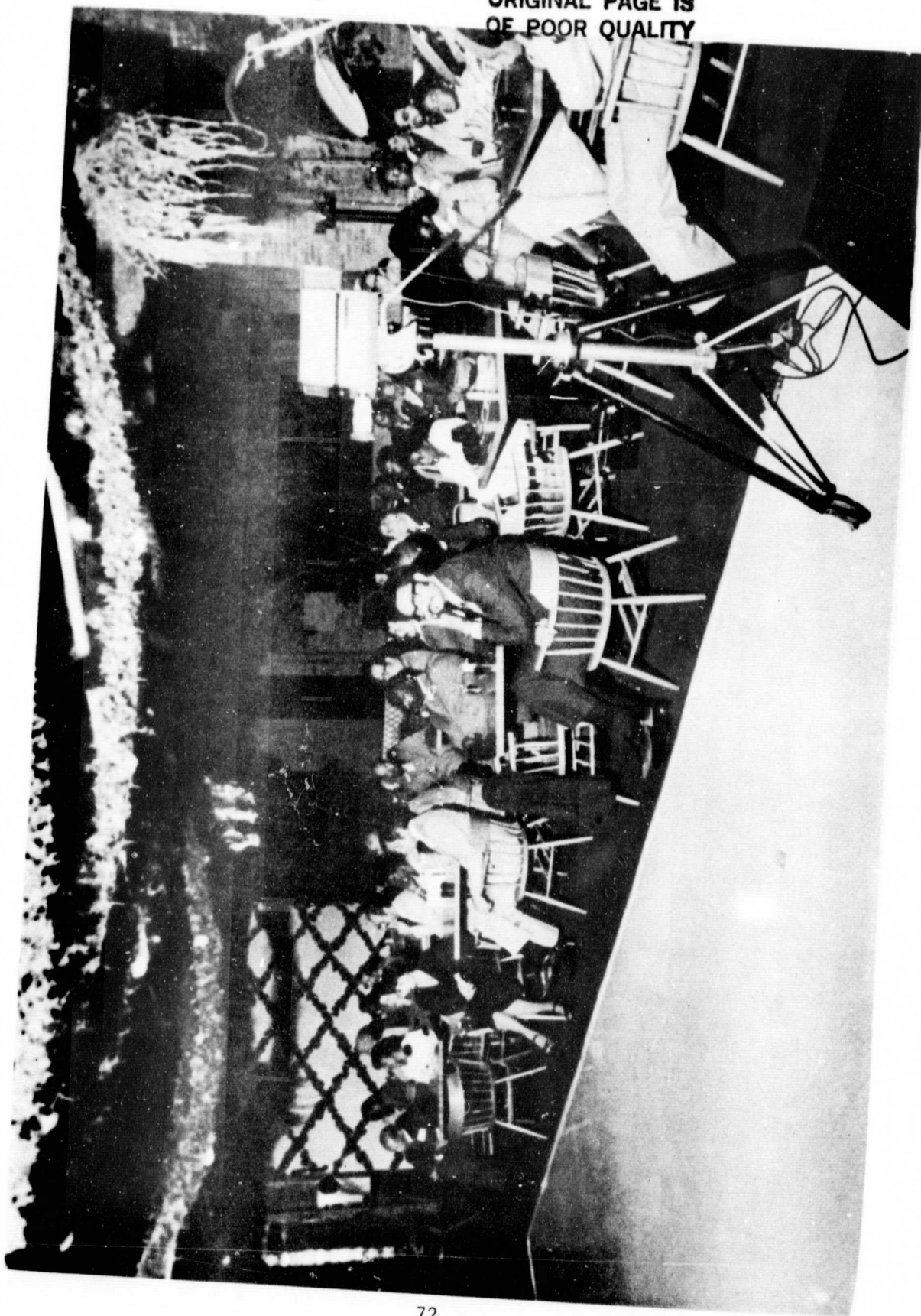


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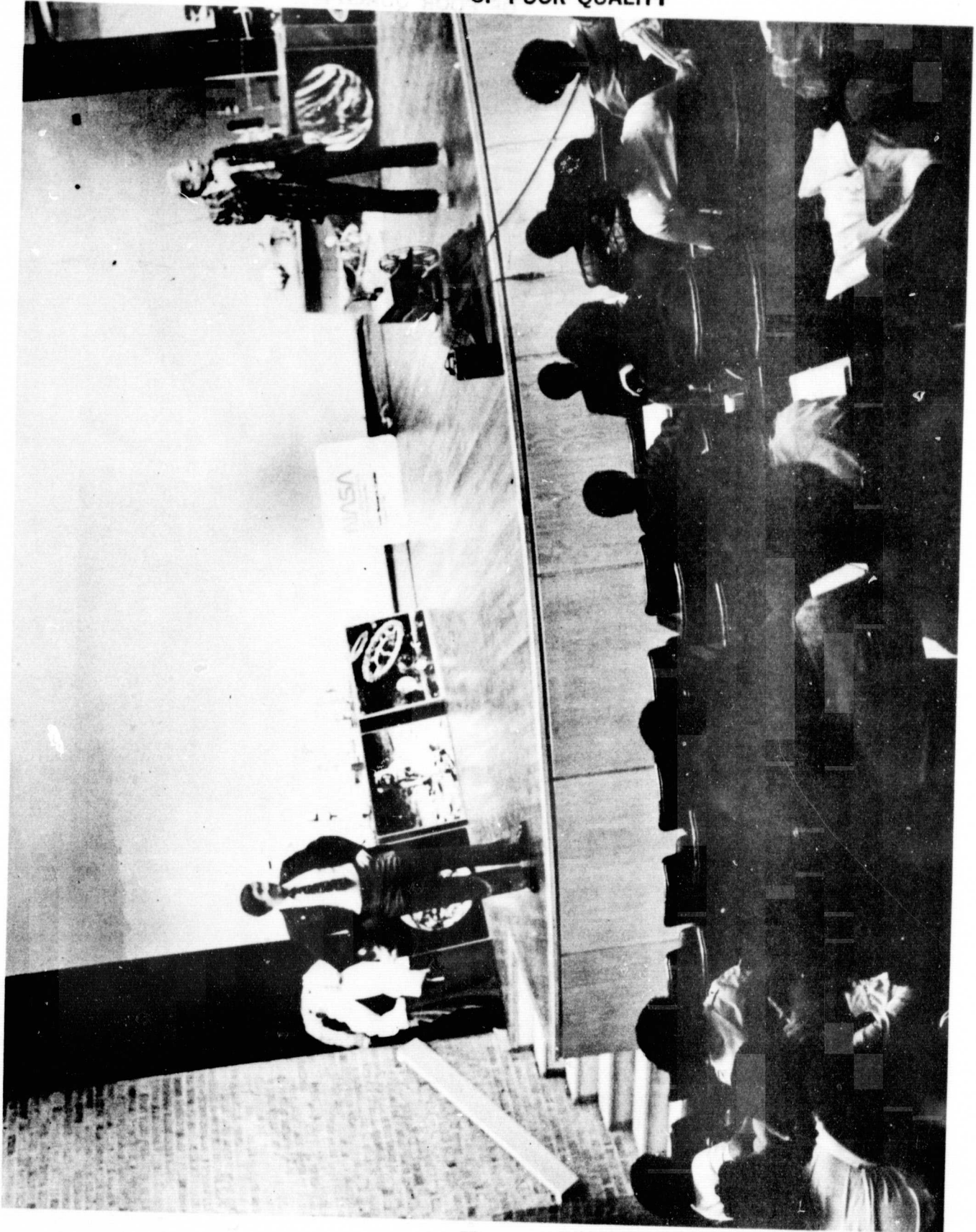
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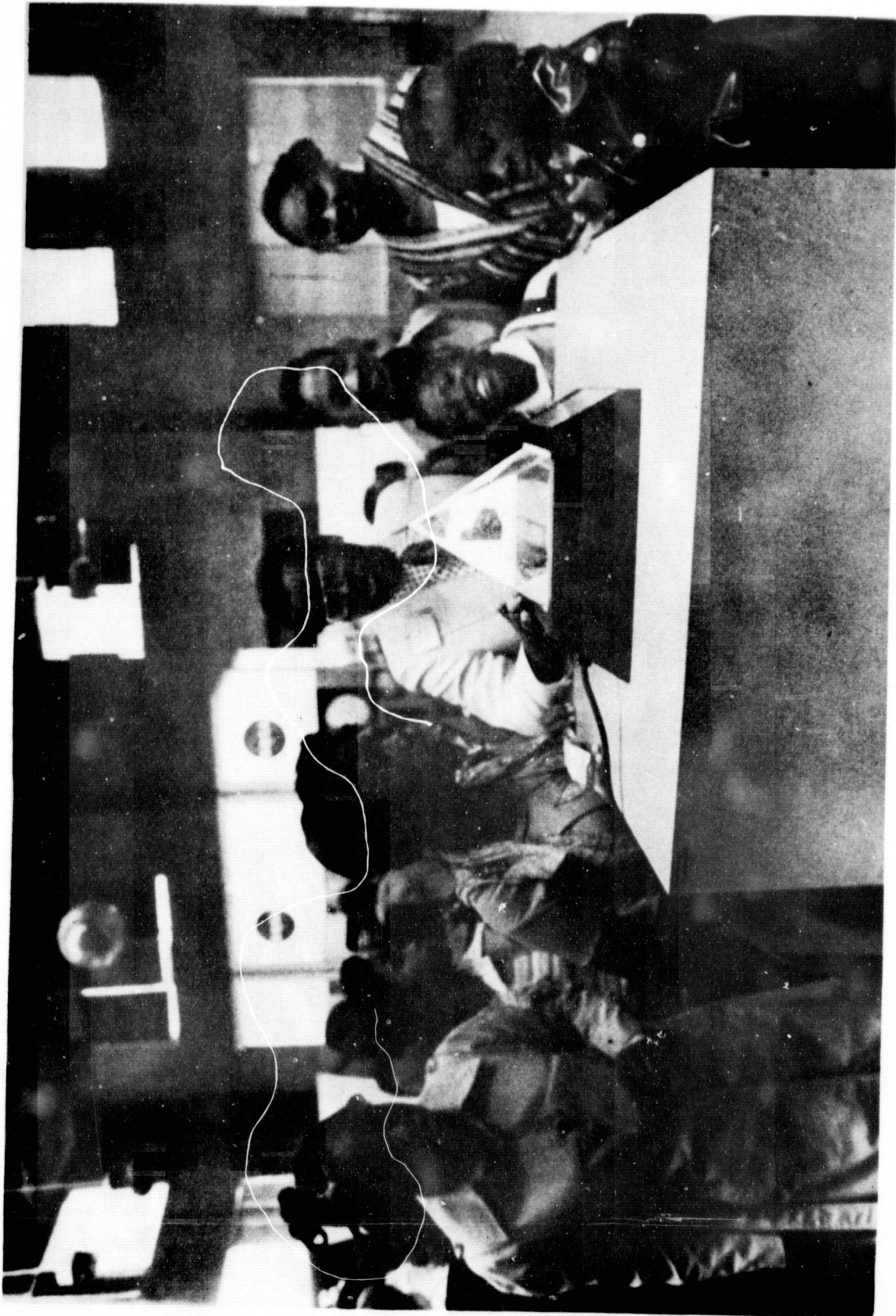
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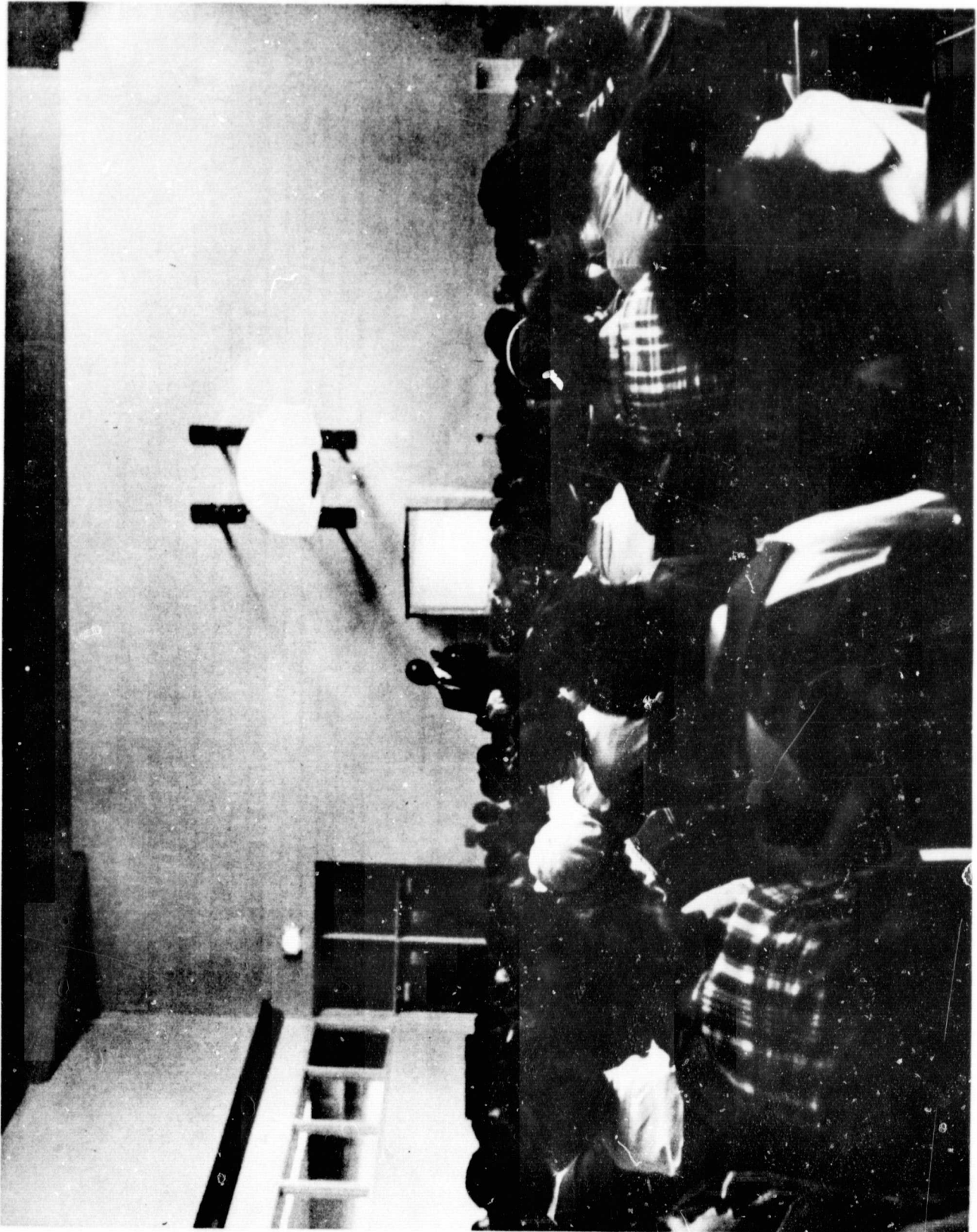
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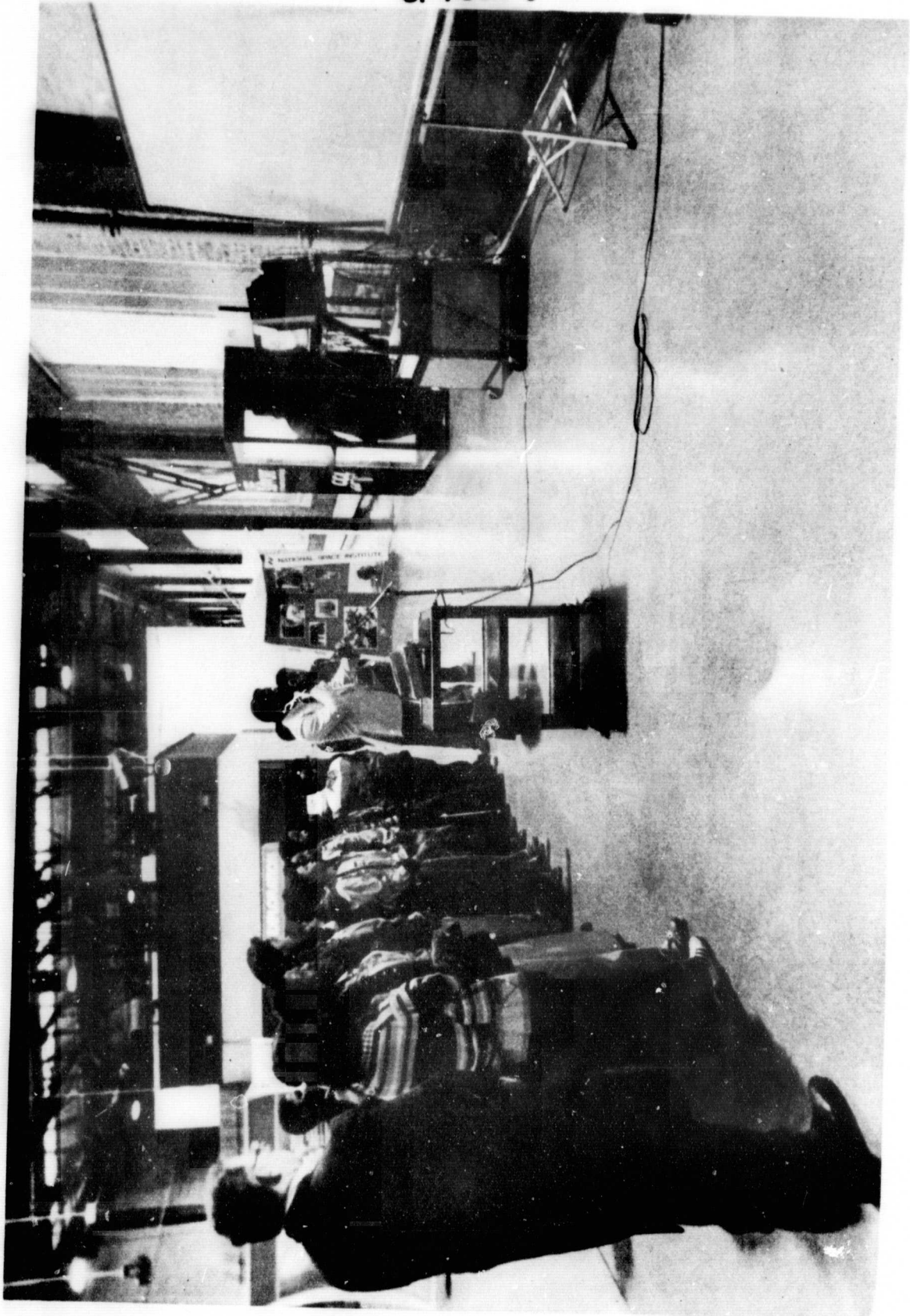


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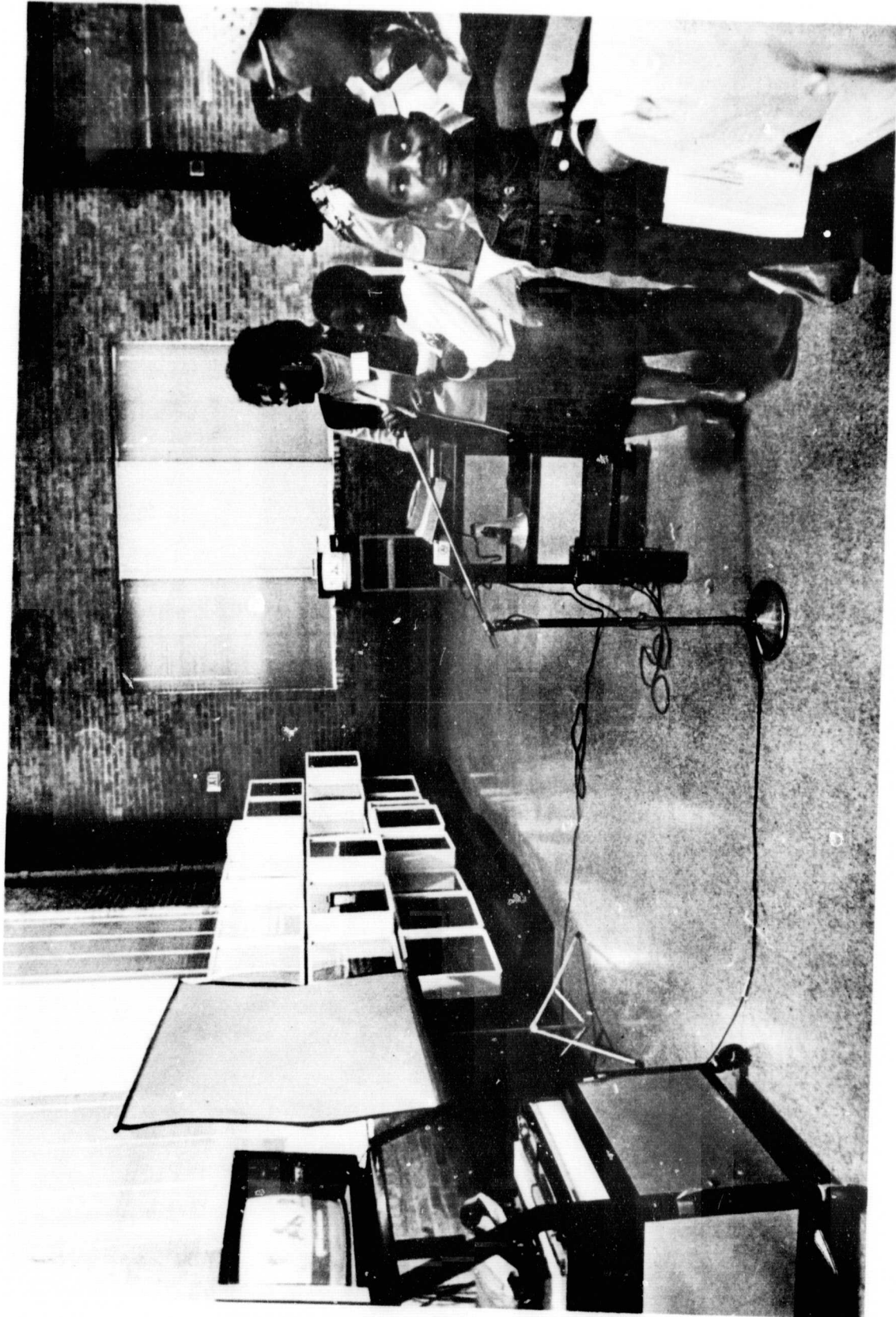


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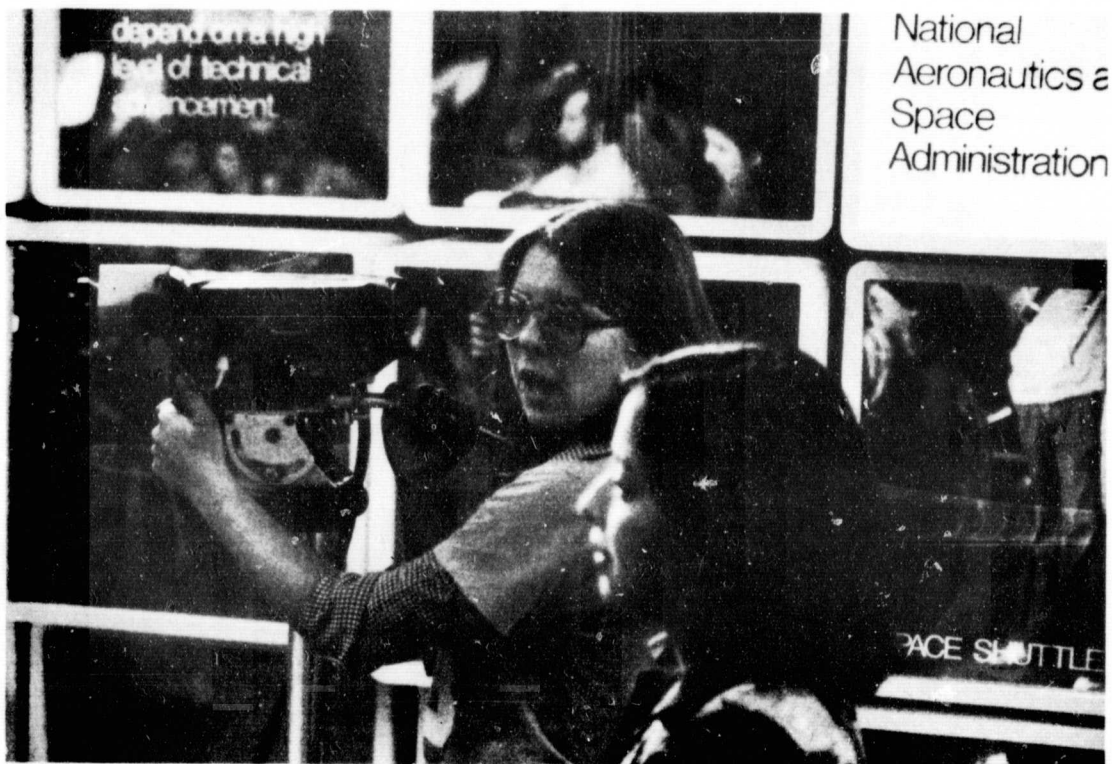


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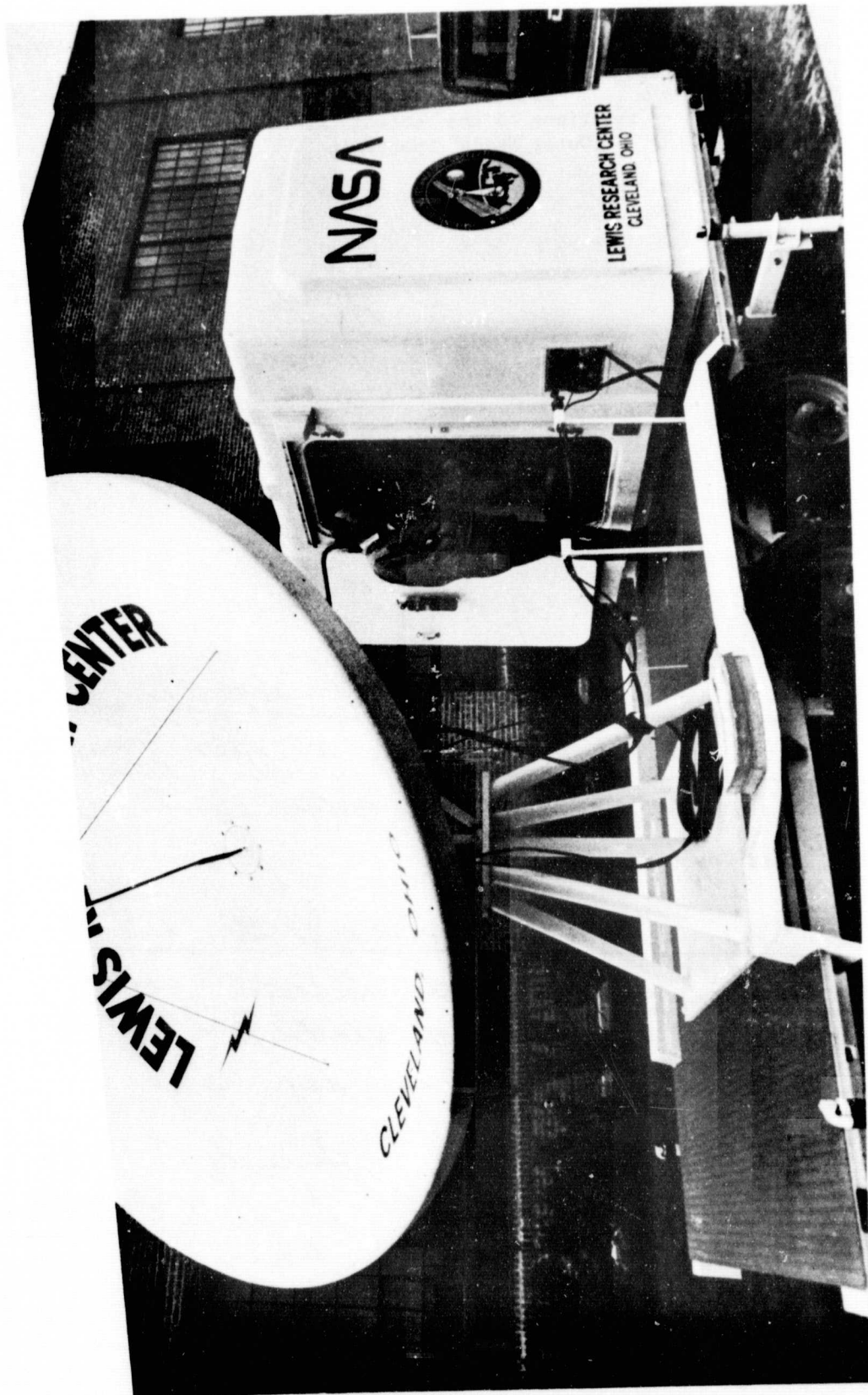


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Appendix I

Letters from Students and Teachers
presenting their
reactions to the "Chicago Meets
Outer Space" Symposium

to Dr. Washington. Please
Macker School reply your
7746 S. Morgan St. signature
Chicago, Ill. 60643
Bu
10/17/78

Oct. 23, 1978

Dear Sir:

Thank you very much for the opportunity to
visit the N.A.S.A. exhibit at your facility.
The students enjoyed & profited by the
excellent opportunity.

Enclosed, please find a few of their letters
in their original form. (the students wrote
as soon as they visited the exhibit) I hope the
letters add a smile to your day.

Sincerely
Georgia L. Athanasoulas
teacher.

RECEIVED
CHICAGO STATE
UNIVERSITY
OFFICE OF THE PRESIDENT
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9746. S. Morgan
10-11-78
Chicago I ll.

Dear Mr. Alexander
The junior high part of
Wacker Elementary School thanks-
you for inviting us to see
the NASA exhibits. We found
them and the people very
informative. I think this
was a very special experience
for us all.

Sincerely
Sherri Harris 7th year

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4146 S. Morgan
Chicago, Illinois
60643

Dear Sirs,
Words could not express my
feelings of thanks to you for
inviting me to see the NASA ex-
hibits. I feel since we seen and
heard more about the space pro-
gram, it can apply to my life
in the future. Again, I would
like to say thanks.

Sincerely,
YOUTH Green
Rm. 101
Grade: 7th

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9746 So Morgan Street
Chicago, Illinois 60643
October 12, 1978

Dear University of Chicago State,

Thank you for the wonderful
time I had, and lessons I learned out of the
lectures I heard. I wanted to write this letter to
show my appreciation, I am sure I'll be
there another time (pretty soon).

Yours Sincerely,
Helmut G. Guntz

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9321 S. Beria
Chicago Ill.
60643

Dear President of Chicago State University,
Thank you for inviting us to your
NASA Space Program. It was
very interesting to hear the lectures.
I learned a lot about the space program
in the past, the present, and what
will happen in the future.

Sincerely,
Nannie
Boyer

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City of Chicago

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Chicago, Illinois 60601

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General Superintendent of Schools

DEPARTMENT OF CURRICULUM
AND INSTRUCTION SERVICES

Telephone 641-4050

CAROLE R. NOLAN, Director

Bureau of Telecommunications
and Broadcasting

Station WBEZ - 91.5 MHz FM

Telephone 641-4088

November 6, 1978

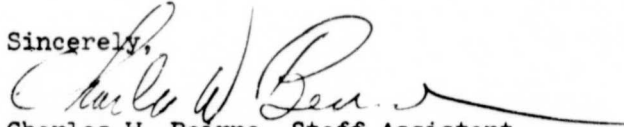
Mr. Harrison Allen, Jr.
Assistant Technology Utilization Officer
NASA, Lewis Research Center
Cleveland, Ohio 44135

Dear Mr. Allen:

As you can see from the letters which the students wrote, the conference at Chicago State University to which we were invited was a great success. Personally, I was happy to have been a part of the experiment, as I learned a great deal about space technology and the use of the communications satellite.

If you have any similar programs in the Chicago area, please let us know. We would like to be a part of it.

Sincerely,



Charles W. Beirne, Staff Assistant
Bureau of Telecommunications and Broadcasting

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Dear Mr. Allen:

I was truly happy to have had the privilege and opportunity to participate in the Nasa Satellite conference at Chicago State University. My knowledge about your programs, satellites, and other projects has been broadened and helped me to have a wider view on the careers available. I hope you continue in your work because I know it will benefit many.

Sincerely,
Anthony D. Blackster
CURIE H.S

10/17/78

Dear Mr. Allen,

I had to write and thank
you for inviting our class to attend your
wonderful presentation on satellite commun-
ications. I feel that I have gained privileged
information and I speak not only for myself
but for the whole WBEZ Student Workshop.

Sincerely Yours
Carlos Clay
LINDBLOM TECH. H.S.

C-2

10-17-78

Dear Mr. Allen,

I would like to thank you for allowing our workshop to attend your presentation on satellite communications at Chicago State. I found the demonstration very enlightening. Prior to the meeting I had heard nothing about the C.T.S. or the space program.

I thank you again,

Sincerely

Donna
M. Larson
Lindblom Tech. H.S.

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ORIGINAL PAGE 15
OF POOR QUALITY

10-17-78

Dear Mr. Allen,

I would like to express my gratitude to you and your co-workers for the NASA demonstration, in which you performed at Chicago State. I learned a great deal at your NASA Research demonstration, and found your satellite program extremely interesting. Your program was very educational and I was honored to be able to attend it. Thank-you very much.

Sincerely yours,

Miss Joyce L. Hoffman
Taft High School

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OCT 17, 1978

Dear Mr. Allen,

I would like to thank you, and everyone who was involved, for inviting us to the N.A.S.A. Satellite Demonstration at Chicago State. I found it very interesting and informative, for, until then I had not heard of the C.T.S. or N.A.S.A.'s cooperative effort with Canada. This conference served well to reignite my interest in N.A.S.A. and its space program.

Thank you again very much.

Sincerely,

Fred Schlegel

Taft High School

ORIGINAL PAGE 15
OF POOR QUALITY

October 17, 1978

Dear Mr. Allen,

Thank you very much for letting our group attend your presentation on satellite communications. We all felt very honored to be a part of this enlightening experience.

I only hope that we may have another chance & other young people like ourselves to partake in this wonderful and exciting experience. I hope that satellite communications will become more practical.

I would also like to thank you very much for taking your time in coming to Chicago State University. I think this programme should be continued over the whole country.

Sincerely,

Russell Pinas

Morgan Park High School

November 2, 1978

Dear Mr. Allen:

I attended the NASA
space satellite demonstration
at Chicago State University,
and I am writing to thank
you for inviting our class
to the demonstration. I
found the demonstration very
educational and interesting.
It was a wonderful
experience and without
your invitation I probably
would never had the
chance to attend. Keep up
the good work.

Sincerely yours
Cheryl Green
(Wool Student Worker)
AUSTIN H.S.

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Dear Mr Allen;

I genuinely appreciated taking part in the NASA sponsored telecommunications experiment. I found the event to be quite informative, as well as very interesting. I must say I thoroughly enjoyed myself, and will be looking in the newspapers for further developments concerning communication satellites

Thank you,

Sincerely

Alan Myers

Lane Tech High School

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JOSEPH P. HANNON

General Superintendent of Schools

**DEPARTMENT OF CURRICULUM
AND INSTRUCTION SERVICES**

Telephone 641-4090

CAROLE R. NOLAN, Director
Bureau of Telecommunications
and Broadcasting

Station WBEZ - 91.5 MHz FM

Telephone 641-4088

October 31, 1978

Dear Mr. Allen:

Enclosed are letters from the children who participated
in the special program at the University of Chicago in
October.

Sincerely,

Carole R. Nolan
Carole R. Nolan, Director
Bureau of Telecommunications
and Broadcasting

CRN:dcp

Mr. Harrison Allen
National Aeronautic Space & Administration
Lewis Research
21000 Brookpart Road
Cleveland, Ohio 44135

*Thanks for making this
opportunity possible for our
children*
CRN

ORIGINAL PAGE IS
OF POOR QUALITY

Dear Nasa,

Thank you for giving us
the privilege of visiting you. As we
all know not so many people have
this chance. And I also thank you
for taking out the time for us kids

Your Interested friend

ORIGINAL PAGE IS
OF POOR QUALITY

10-20-78

Dear NASA,

Thankyou for allowing
me to participate in your
private broadcast via sate-
lite with scientists in Ohio.
I found the demonstration
fascinating and hope it
will be done again.

Sincerely,

Kathleen McMaster
WBZ Radio
"Lollipops and Stuff"

ORIGINAL PAGE 13
OF POOR QUALITY

1645 N. Clybourn
Chic, Ill 60614
Oct. 23, 1978

Dear Nora,

Thank you for letting
WBEZ be apart in your space
program. We were very delighted
to learn and know diffent
~~things~~ things on how you
work. Thank you for showing
and introducing ~~us~~ us to your
helpers. Thank you very much
for showing us around to your
station now, you work there
and everything.

Yours truly,
Raena

1160. N. Sedgwick
Chicago Ill, 60610
Oct. 23, 1978

Dear Nasa,
Thank you for giving us
the privilege of visiting you. As
we all know not so many people
have this chance, and I also
thankyou for taking out the time
for us kids.

Your Interested Friend,
JaSanya Beavers

ORIGINAL PAGE 13
OF POOR QUALITY

Dear people of NASA.:

On the day when I, along with the other children of WBEZ Studio went down to talk to you over the video phone. It was very interesting (Down at the college) I know you had a little bit of difficulties getting in touch with us but we enjoyed it very much. All the questions that we asked made sense when you answered them. Thank you for taking some of your time in Cleveland with me and the other children of WBEZ Lollipops and Stuff.

Sincerely,

Ann Valdivia

Dear Sirs,

Thank you for having me at
the Chicago State University. It was
an experience I will never forget.

Yours truly
Diane Kanasa

Oct. 17, 1978

Dear Representatives of NASA,
Thank you for letting us participate in your conversation by satellite. I found it very interesting and learned from it.

I appreciate you taking the time to set up this operation, and it shows me what people can do nowadays!

Yours Truly,
Jonathan Rubman